Description of Plan Group:

Cobble Mountain Reservoir - Little River Supply - Contract Number 11

Date of Plan:	**1928**
Date Plan Approved:	**1928**
Highway Book #:	**ch18**
Highway Page #:	**001**
Commissioners Reference Book #:	**22**
Commissioners Reference Page #:	**032**

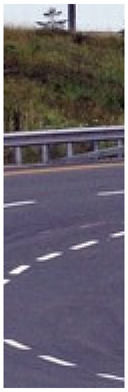
Public Notes:

See also: Dams (Blandford) - "Cobble Mountain Dam" - D02006.

Plan Original Book and Page: **ch18001**

Name of specific Plan:

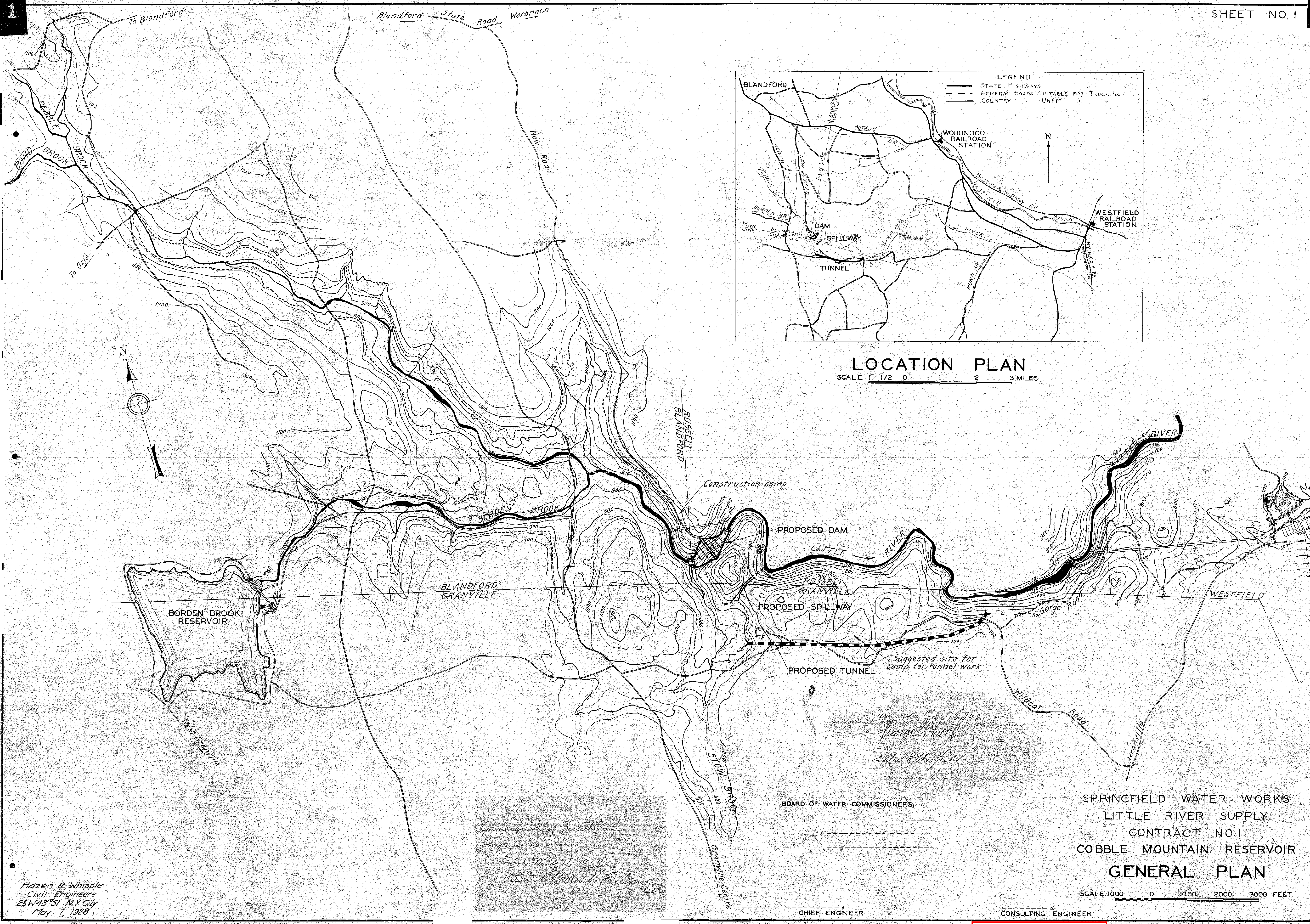
Cobble Mountain Reservoir - Little River Supply - Contract Number 11



Category	Index
Abutters	**Westfield Railroad Station**
Abutters	**Blandford- Russell town line**
Abutters	**Blandford- Granville town lin**
Abutters	**Westfield town line**
Abutters	**Woronoco Railroad Station**
City/Town	**Russell**
Railroads	**NY, NH & H Railroad**
Streets	**North Street**
Streets	**Wildcat Road**
Streets	**Gorge Road**
Water	**Cobble Mountain Reservoir**
Water	**Little River**
Water	**Munn Brook**
Water	**Borden Brook Reservoir**
Water	**Borden Brook**
Water	**Pebble Brook**
Water	**Westfield River**
Water	**Potash Brook**

Water **Pond Brook**

SHEET NO. 1



approved July 18, 1928, in
accordance with report of [illegible], Engineer
George S. Cook
John F. Marfield
County Commissioners of the County of Hampden
Commissioner Hall dissented.

BOARD OF WATER COMMISSIONERS,

Commonwealth of Massachusetts
Hampden, ss.
Filed, May 16, 1928
Attest: Charles M. Calhoun Clerk

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO. 11
COBBLE MOUNTAIN RESERVOIR

GENERAL PLAN

SCALE 1000 0 1000 2000 3000 FEET

CHIEF ENGINEER

CONSULTING ENGINEER

Hazen & Whipple
Civil Engineers
25 W. 43rd St. N.Y. City
May 7, 1928

2884 J.R.C.

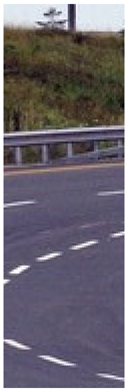
See County Commissioners Book 22 Page 32

County Commissioners Record
Book #22 Page #32

Plan Original Book and Page: **ch18003**

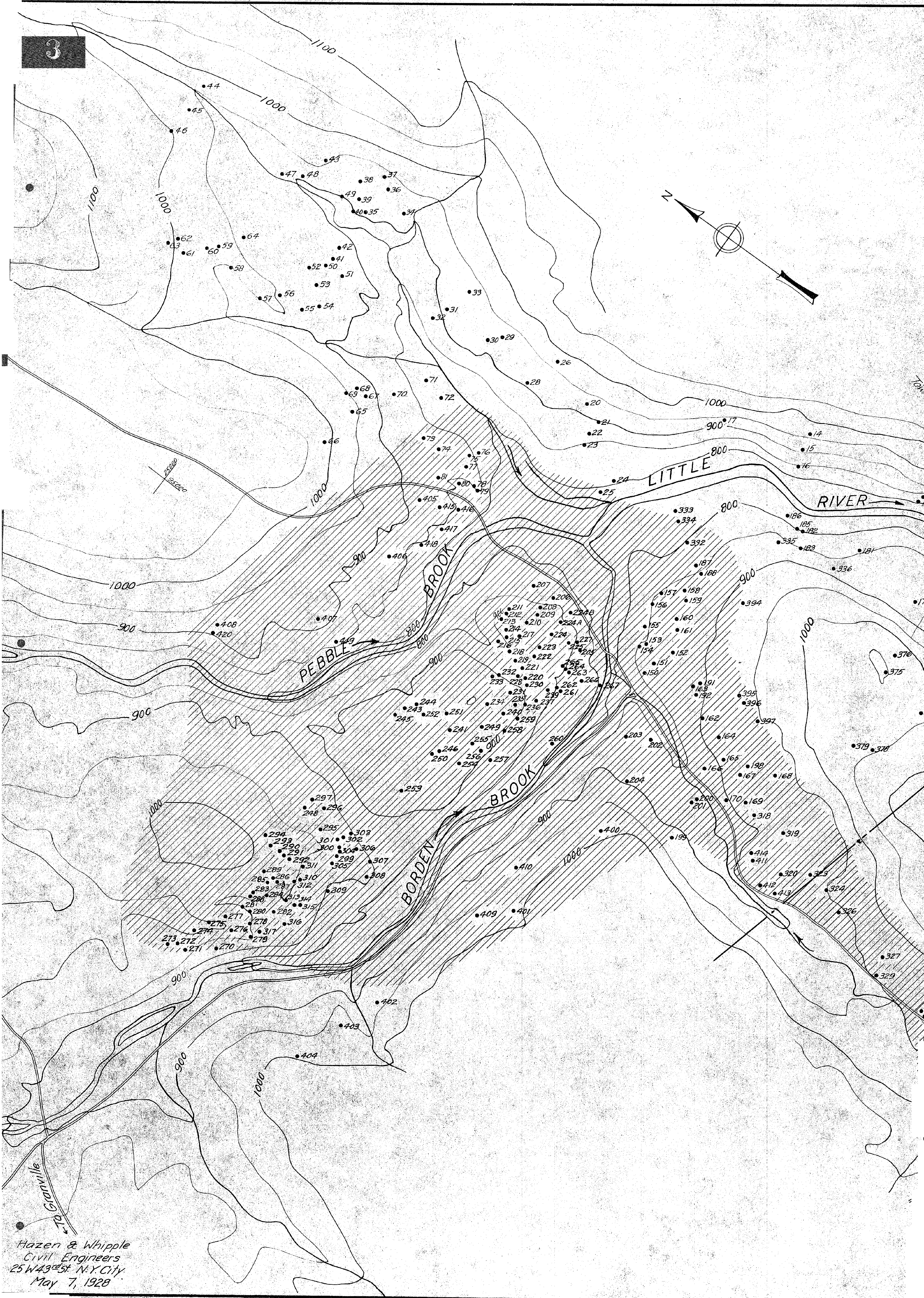
Name of specific Plan:

Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir - Map Showing Test Pits



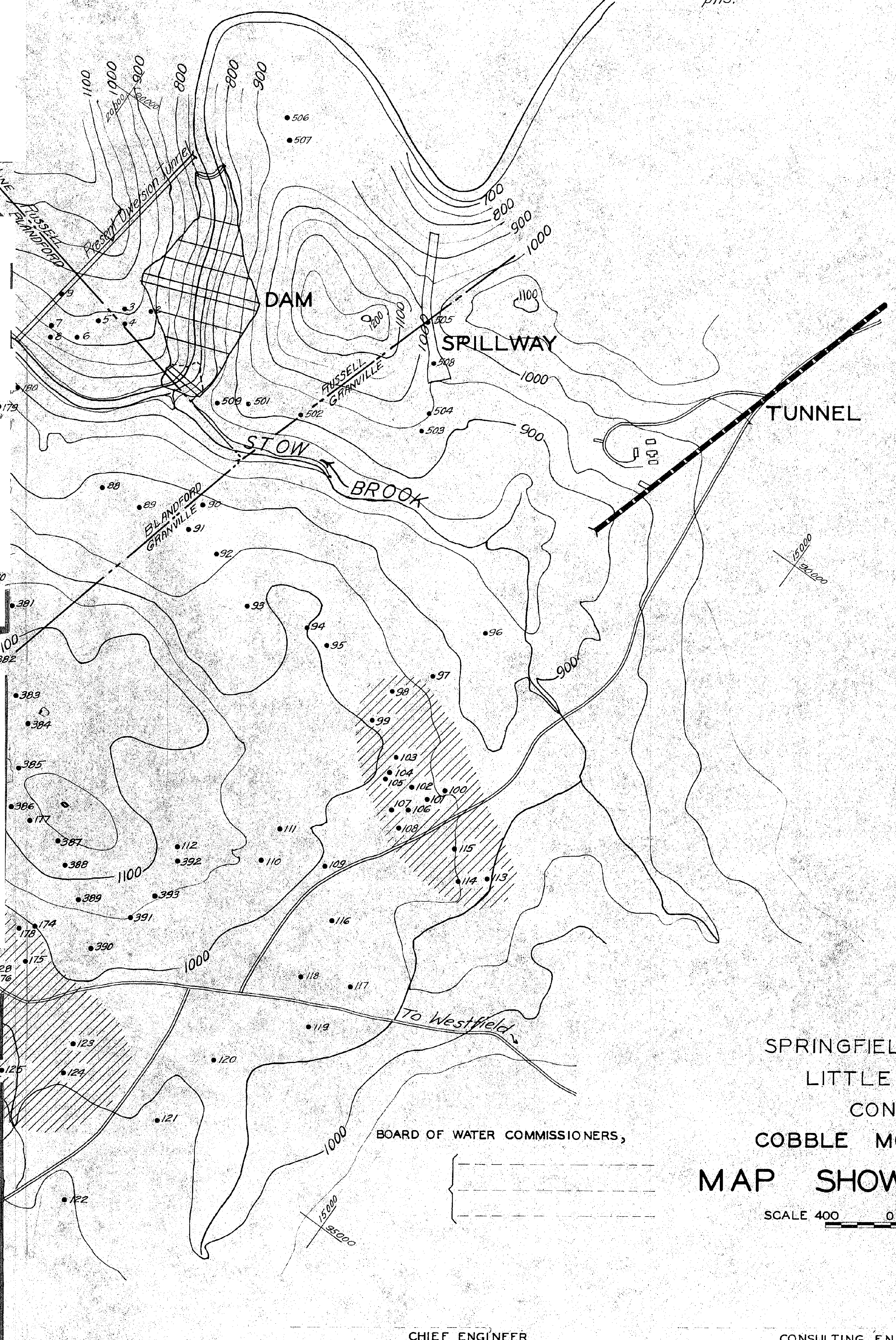
Category	Index
	Little River
	Pebble Brook
	Stow Brook
	Borden Brook
	Cobble Mountain Reservoir
	Blandford- Russell town line
	Blandford- Granville town lin

3



Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

The shaded area is selected as containing the most suitable and available deposits for dam construction. This area is believed to contain good material, greatly in excess of requirements, together with much material that is not suitable and that would not be accepted. The Contractor is not necessarily limited to this area but his attention is directed specially to it. Information as to the depths and characters of materials in the various pits may be obtained and samples of material inspected, in the Engineer's field office, but the best idea of the materials is to be obtained by a personal inspection of the ground and of the test pits and the material excavated from them near the several pits.



BOARD OF WATER COMMISSIONERS,

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11
COBBLE MOUNTAIN RESERVOIR
MAP SHOWING TEST PITS

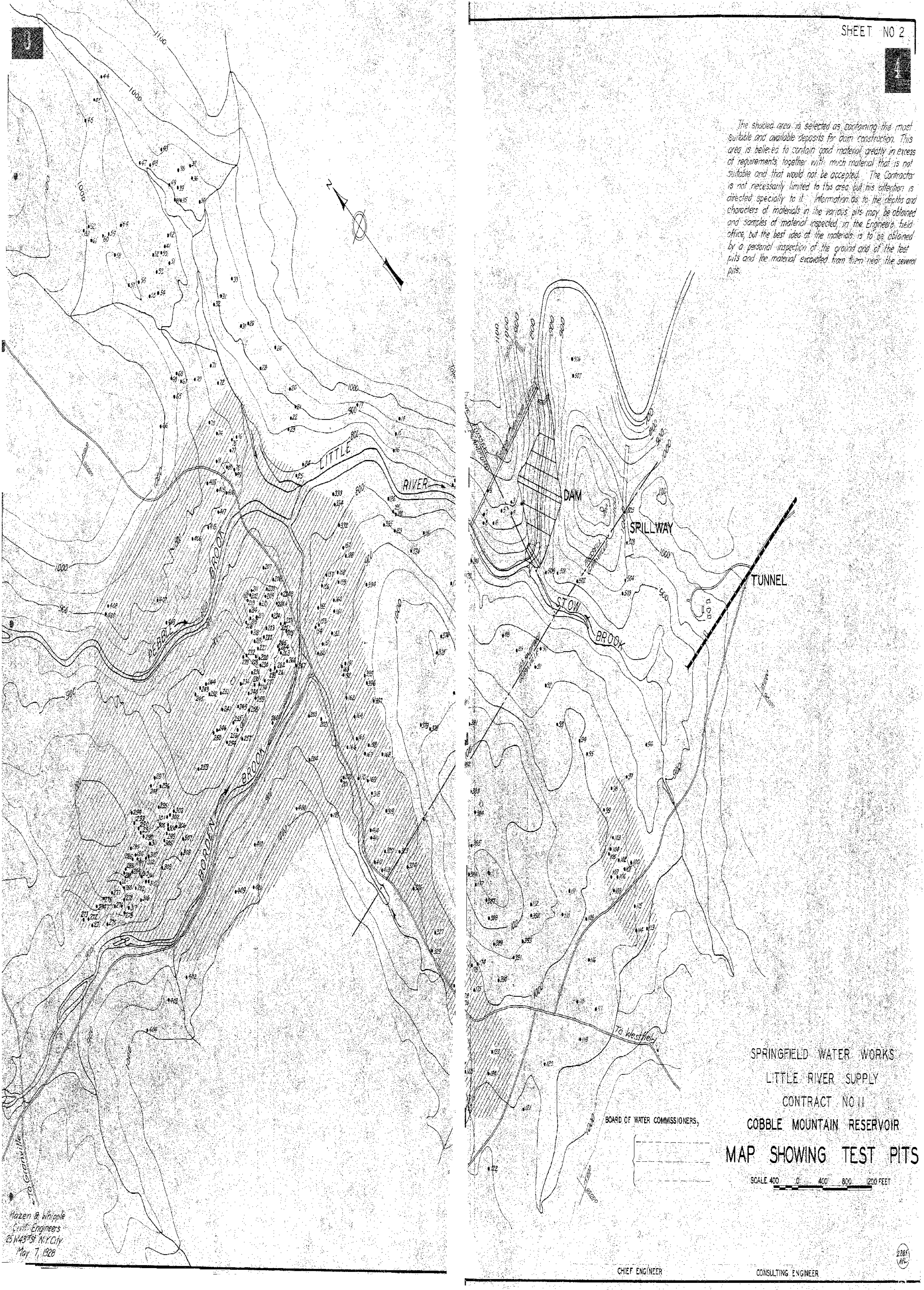
SCALE 400 0 400 800 1200 FEET

CHIEF ENGINEER

CONSULTING ENGINEER

2885 APL.

SHEET NO 2



The shaded area is selected as containing the most suitable and available deposits for dam construction. This area is believed to contain good material greatly in excess of requirements, together with much material that is not suitable and that would not be accepted. The Contractor is not necessarily limited to this area but his attention is directed specially to it. Information as to the depths and characters of materials in the various pits may be obtained and samples of material inspected in the Engineer's field office, but the best idea of the materials is to be obtained by a personal inspection of the ground and of the test pits and the material excavated from them near the several pits.

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11
COBBLE MOUNTAIN RESERVOIR

MAP SHOWING TEST PITS

SCALE 400 0 400 800 1200 FEET

BOARD OF WATER COMMISSIONERS,

CHIEF ENGINEER

CONSULTING ENGINEER

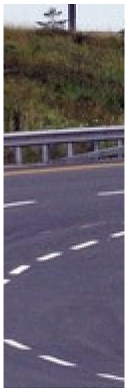
Hazen & Whipple
Civil Engineers
25 W 43rd St N.Y. City
May 7, 1928

2885
APL

Plan Original Book and Page: **ch18005**

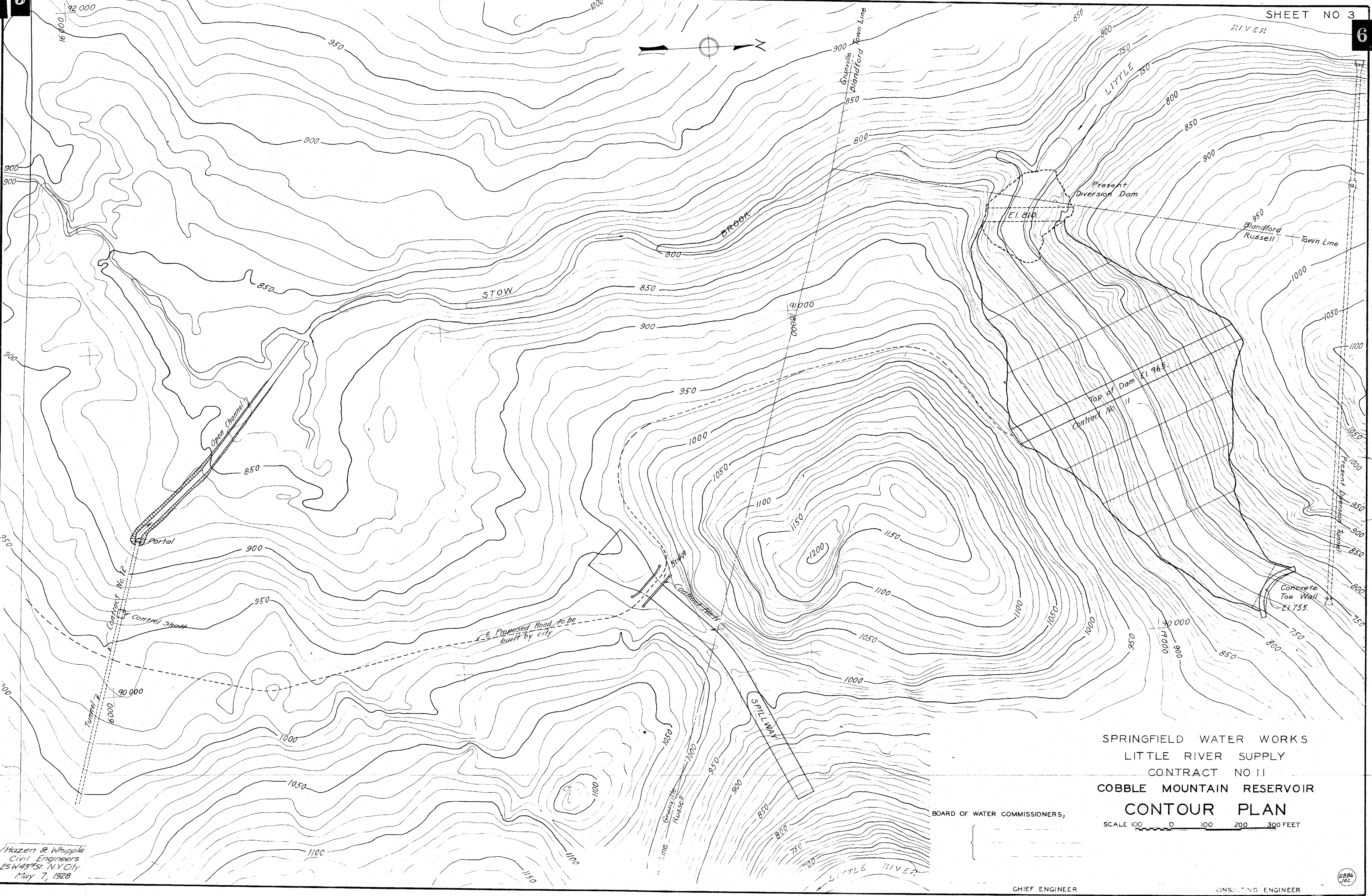
Name of specific Plan:

Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir - Contour Plan



Category	Index
Abutters	**Granville- Russell town line**
Abutters	**Blandford- Granville town lin**
Water	**Stow Brook**

SHEET NO 3



SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11

COBBLE MOUNTAIN RESERVOIR

CONTOUR PLAN

SCALE 100 0 100 200 300 FEET

BOARD OF WATER COMMISSIONERS,

CHIEF ENGINEER

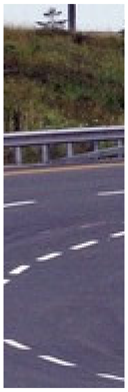
CONSULTING ENGINEER

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

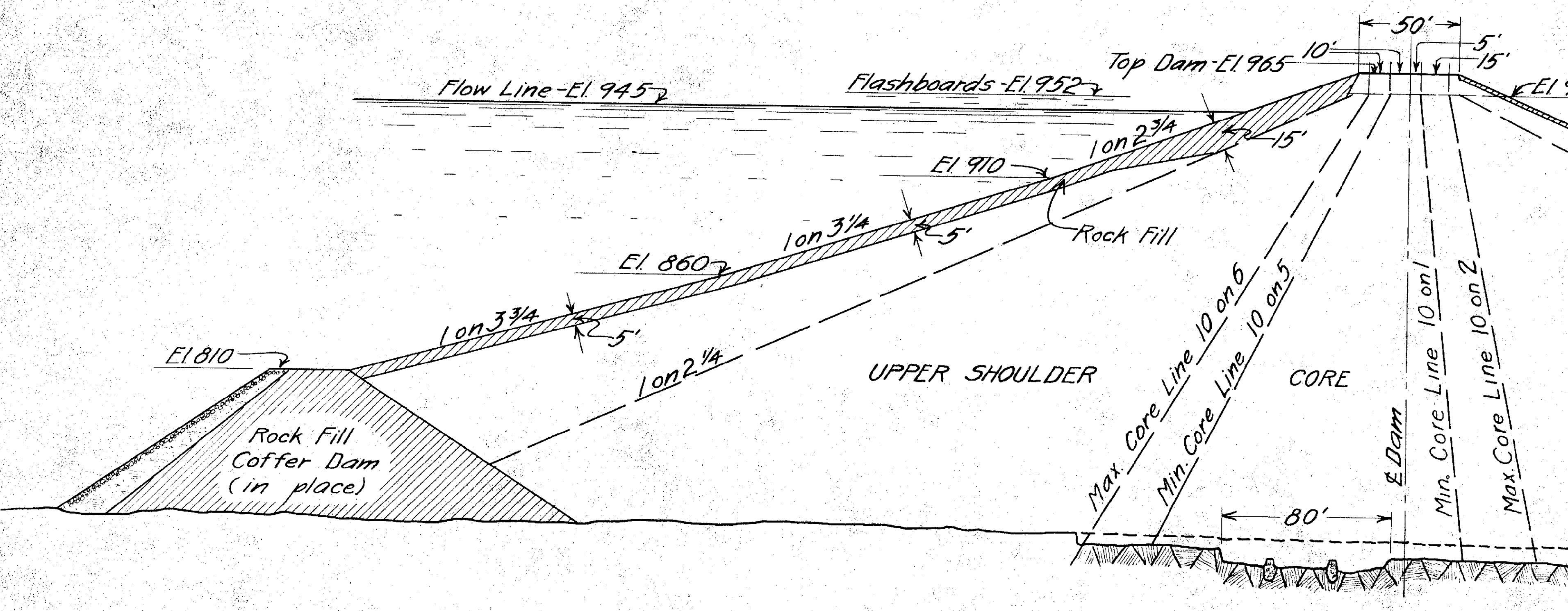
Plan Original Book and Page: **ch18007**

Name of specific Plan:

Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir Dam - Plan & Section with Dimensions

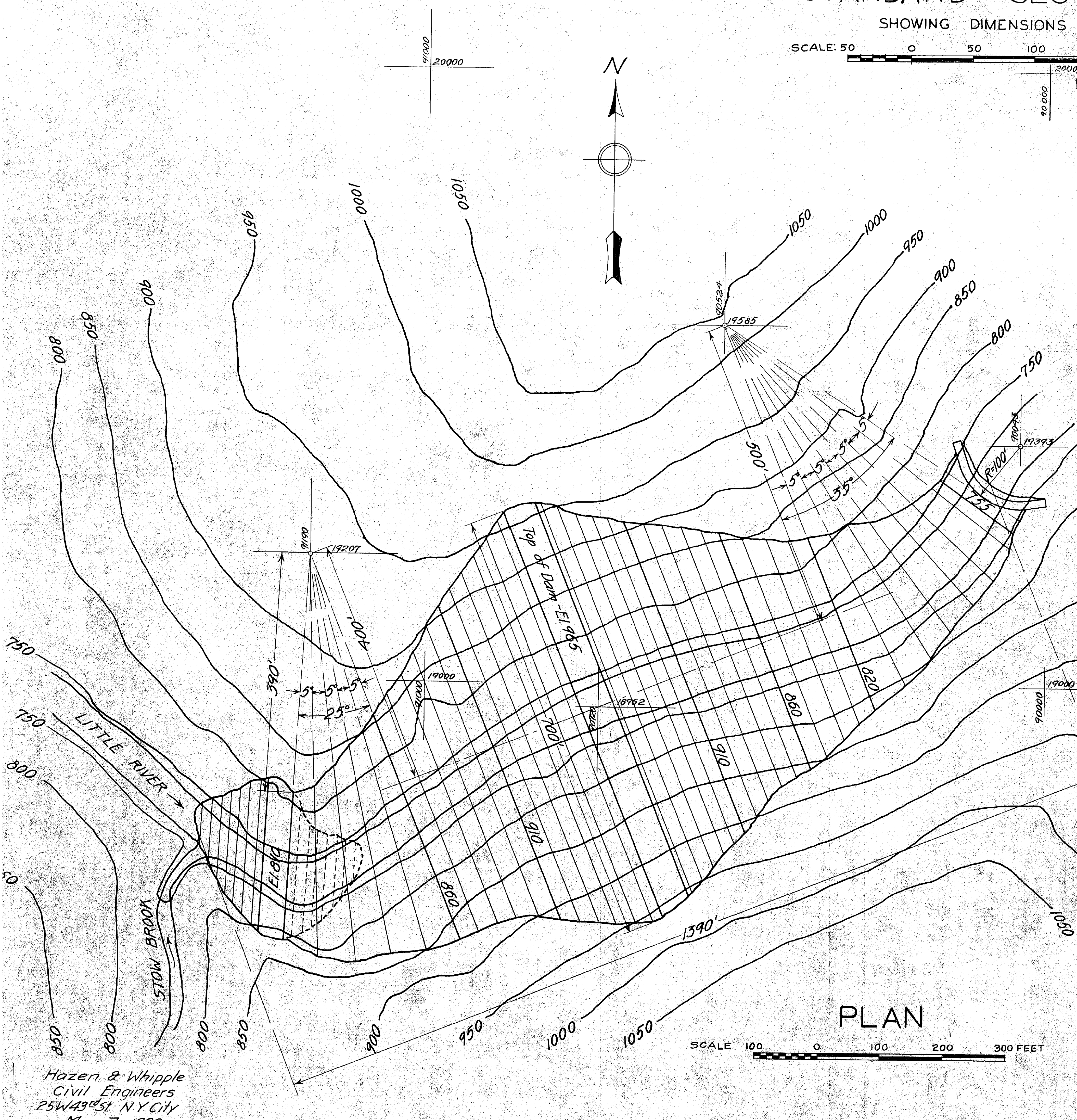


Category	Index
City/Town	**Russell**
Water	**Little River**



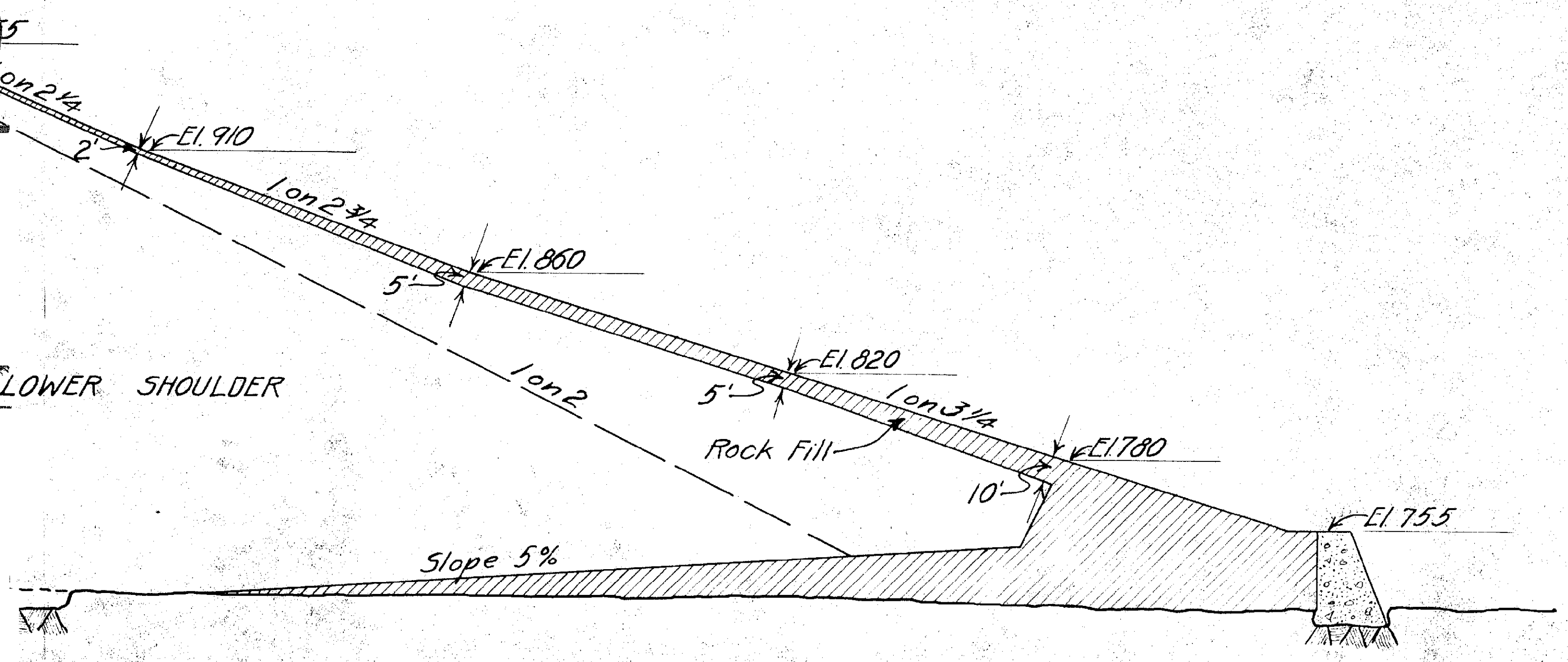
STANDARD SECT

SHOWING DIMENSIONS



PLAN

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928



ON

150 FEET

SCHEDULE OF QUANTITIES IN DAM.

Item No.	Description	Cu. Yds.
1	Earth Excavation	9700
2	Rock Excavation	6500
4	Concrete	3900
6	Hydraulic Fill Core Balance	374000 1226000
7	Rock Fill	150000
	Rock Fill Previously Placed	50000

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO. 11
COBBLE MOUNTAIN RESERVOIR

DAM

PLAN AND SECTION
WITH DIMENSIONS

SCALES AS INDICATED

BOARD OF WATER COMMISSIONERS,

CHIEF ENGINEER

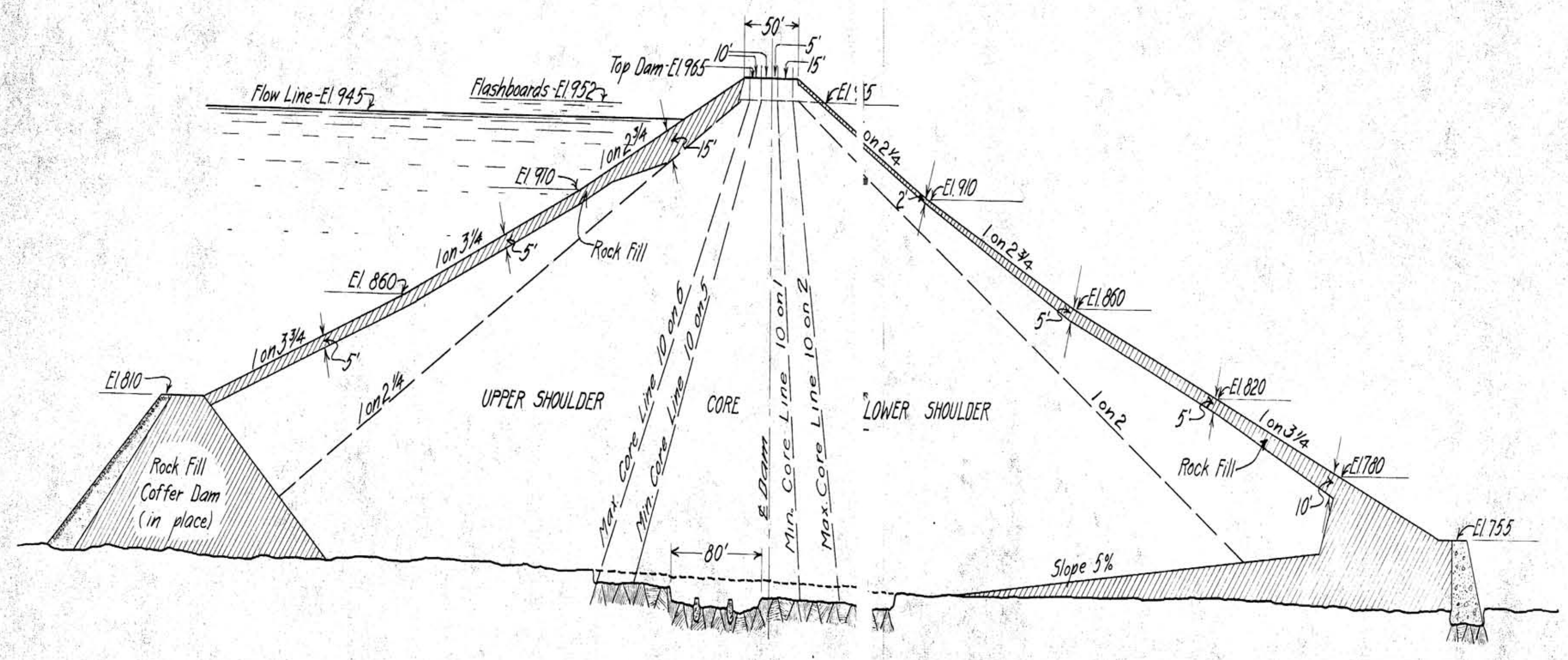
CONSULTING ENGINEER

2887
CTW

7

SHEET NO. 4

8

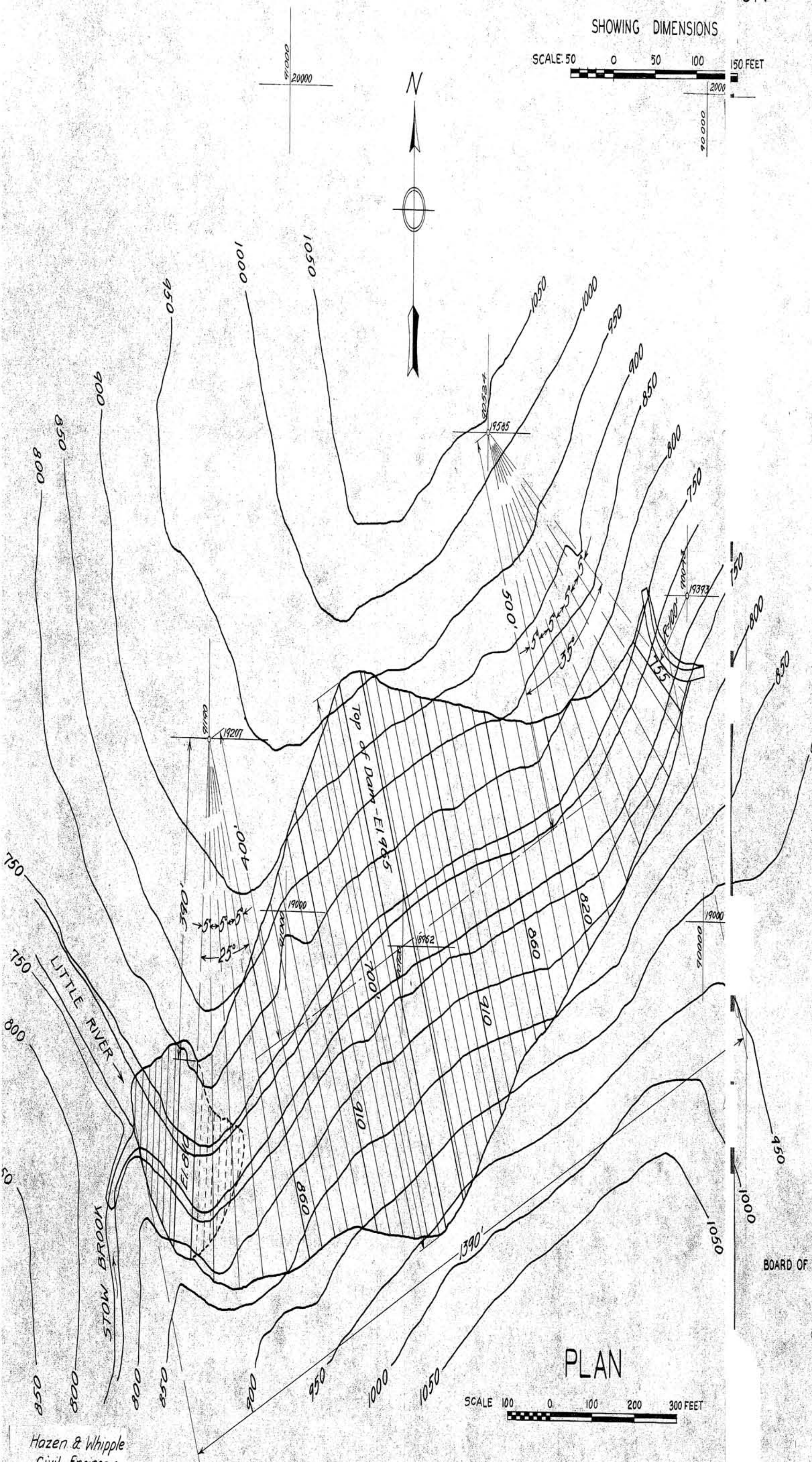


STANDARD SECTION

SHOWING DIMENSIONS

SCALE: 50 0 50 100 150 FEET

Item No.	Description	Cu. Yds.
1	Earth Excavation	9700
2	Rock Excavation	6500
4	Concrete	3900
6	Hydraulic Fill Core Balance	374000 1226000
7	Rock Fill	150000
	Rock Fill Previously Placed	50000



PLAN

SCALE 100 0 100 200 300 FEET

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO. 11
COBBLE MOUNTAIN RESERVOIR

DAM

PLAN AND SECTION WITH DIMENSIONS

SCALES AS INDICATED

BOARD OF WATER COMMISSIONERS,

CHIEF ENGINEER

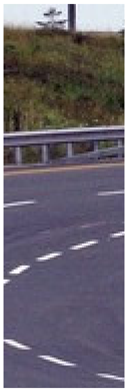
CONSULTING ENGINEER

2887 CTW

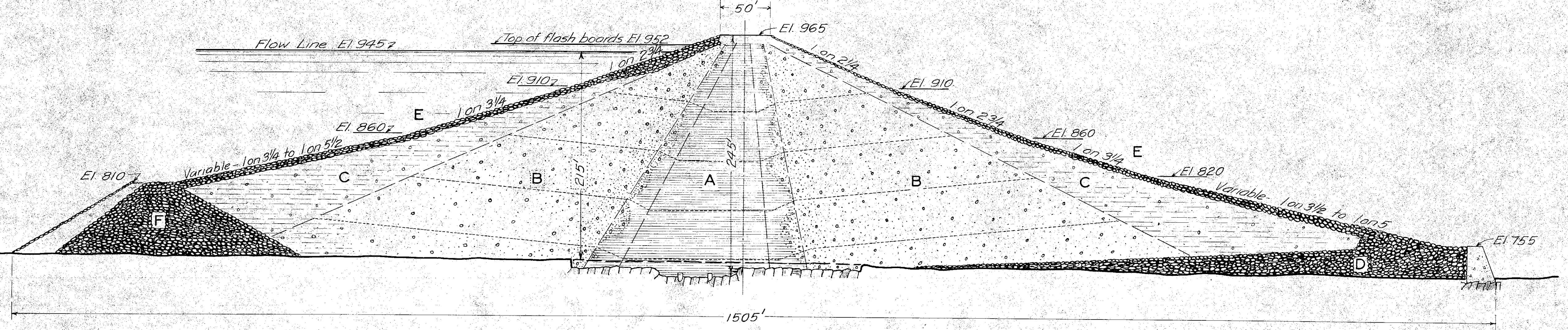
Plan Original Book and Page: **ch18009**

Name of specific Plan:

Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir Dam - Sections



Category	Index
Dam	**Cobble Mountain Reservoir D**
Water	**Little River**
Water	**Cobble Mountain Reservoir**

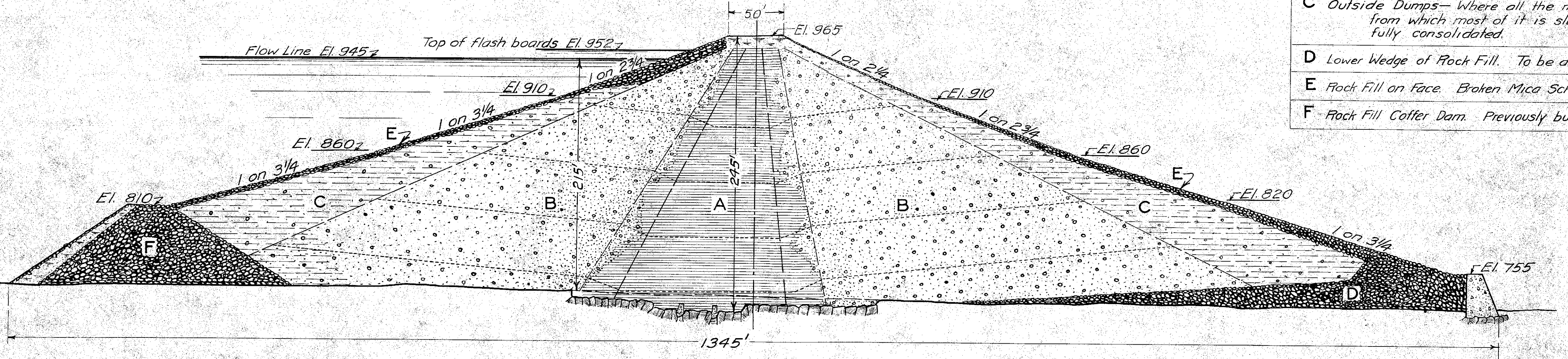


ACTUAL DEVELOPED SECTION

This shows approximately the maximum section of the dam following the curvature of the river at the toes.

LEGEND

A	Core - Clay puddle deposited under central pool. Effective size approximately 0.01 mm.
B	Shoulders - Sand, gravel, rock and boulders, deposited from running water on slopes and fully consolidated.
C	Outside Dumps - Where all the material is first deposited and from which most of it is sluiced but some remains not fully consolidated.
D	Lower Wedge of Rock Fill. To be deposited dry before sluicing starts.
E	Rock Fill on Face. Broken Mica Schist or boulders.
F	Rock Fill Cofter Dam. Previously built.



STANDARD SECTION

This shows the section used in laying out the work, but as Little River bends almost 90° within the area covered by the dam, the toes are curved and bounded by warped surfaces and the slopes shown on this section have been used approximately at the inner sides of the curves where the slopes are steepest and the actual developed section, following the river, is about 160' thicker at the base and the slopes correspondingly less than here shown.

BOARD OF WATER COMMISSIONERS,

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11
COBBLE MOUNTAIN RESERVOIR

DAM

SECTIONS

SCALE 50 0 50 100 150 FEET

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

CHIEF ENGINEER

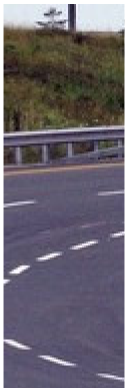
CONSULTING ENGINEER

2888
APL

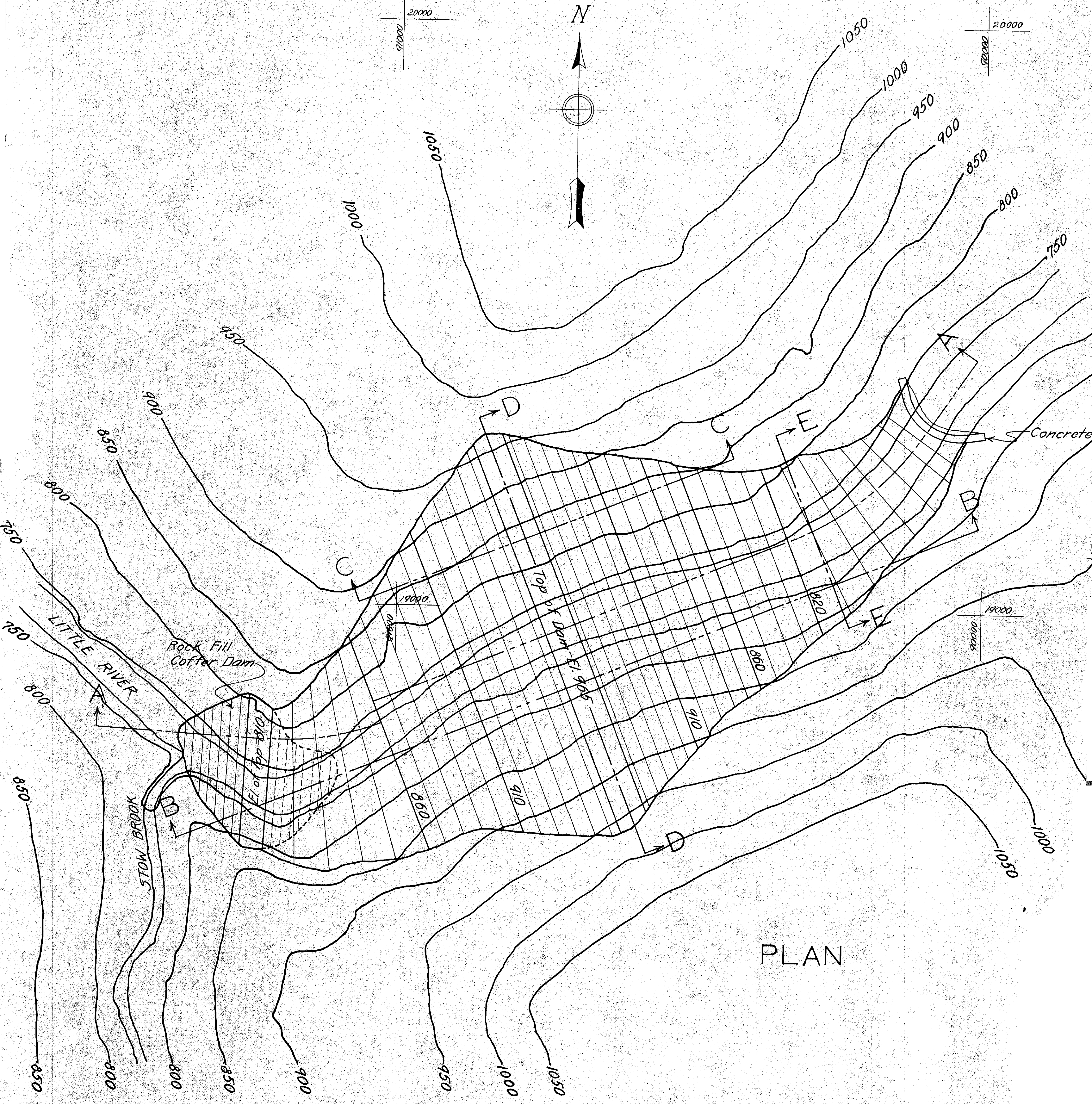
Plan Original Book and Page: **ch18011**

Name of specific Plan:

Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir Dam - Misc Sections



Category	Index
Dam	**Cobble Mountain Reservoir D**
Water	**Cobble Mountain Reservoir**
Water	**Stow Brook**
Water	**Little River**

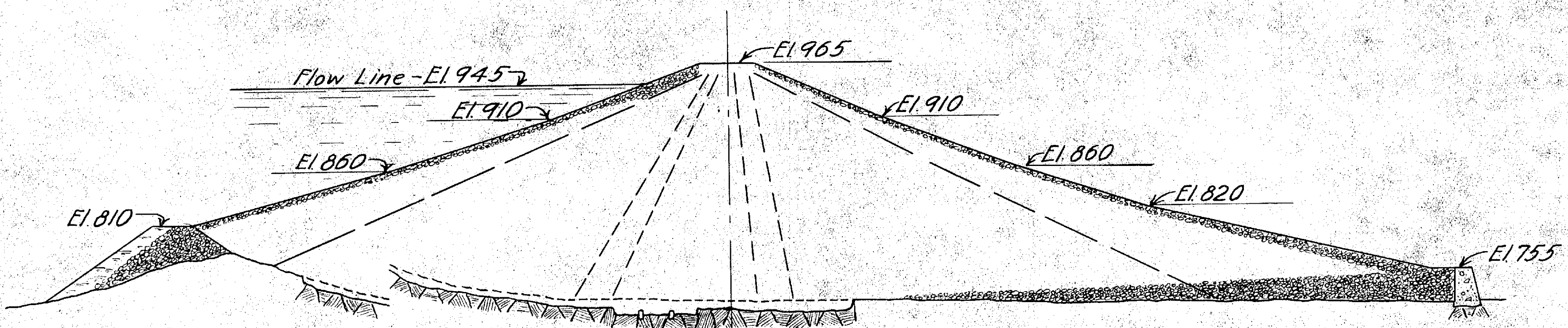


PLAN

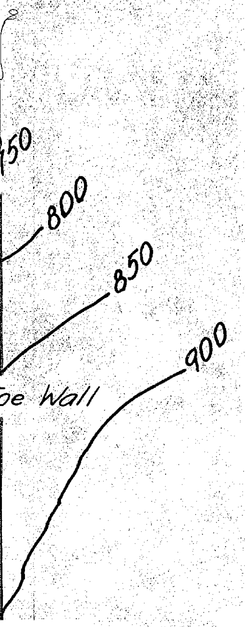
Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

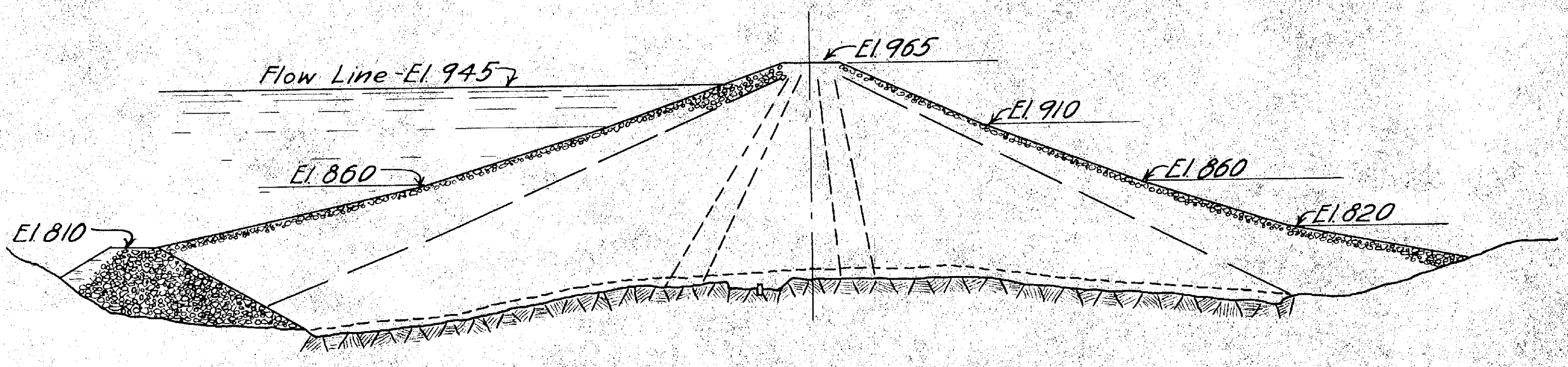
12

SHEET NO 6

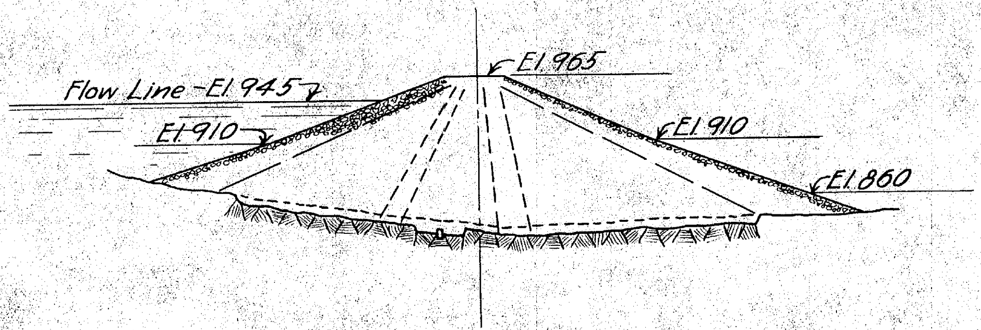


SECTION A-A

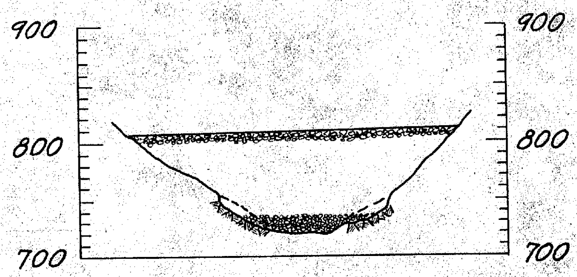




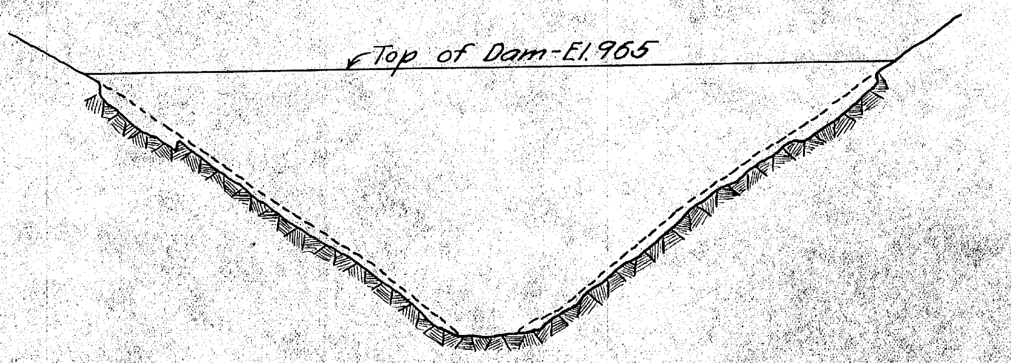
SECTION B-B



SECTION C-C



SECTION E-E



SECTION D-D

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11
COBBLE MOUNTAIN RESERVOIR

DAM

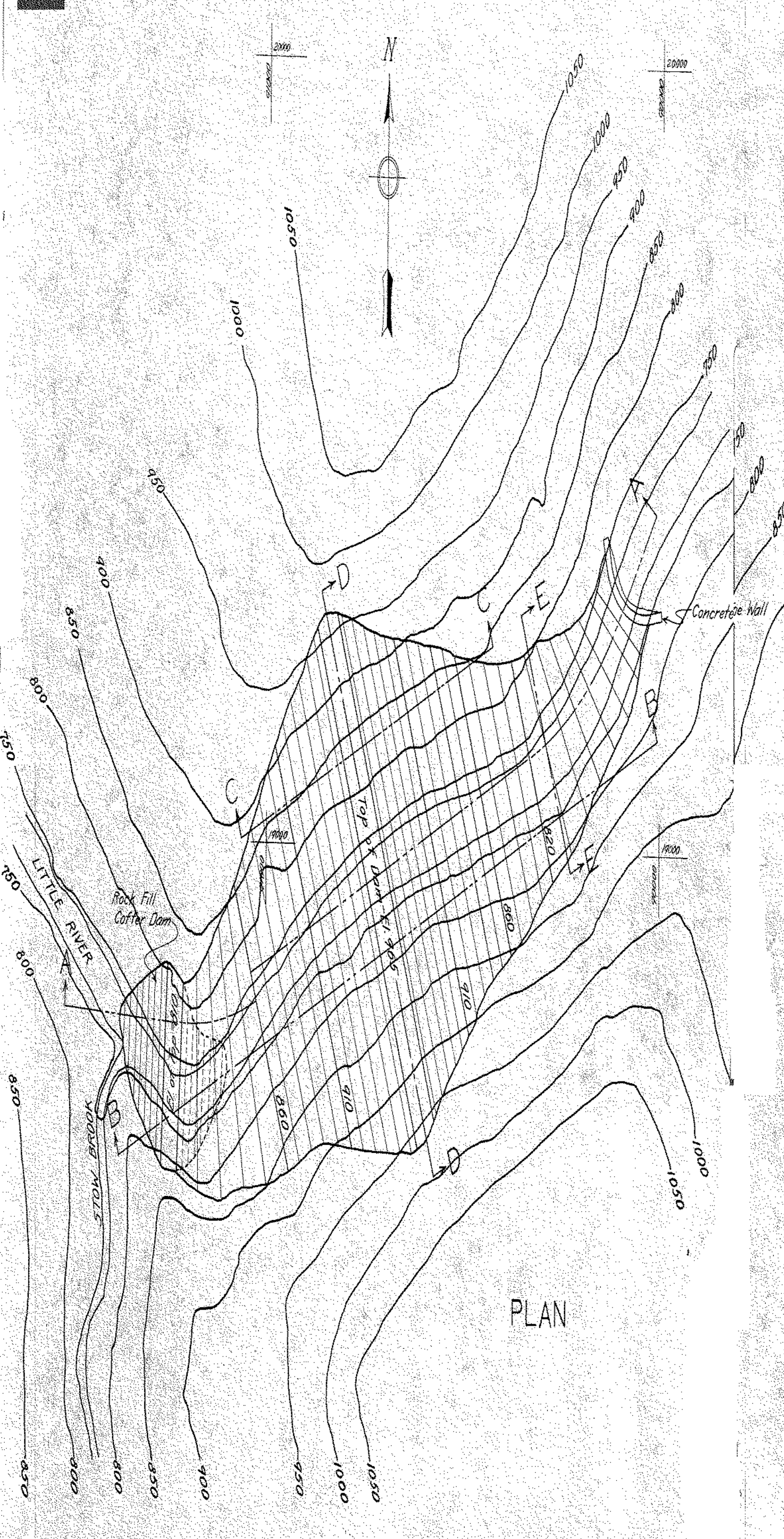
MISCELLANEOUS SECTIONS

SCALE 100 0 100 200 300 FEET

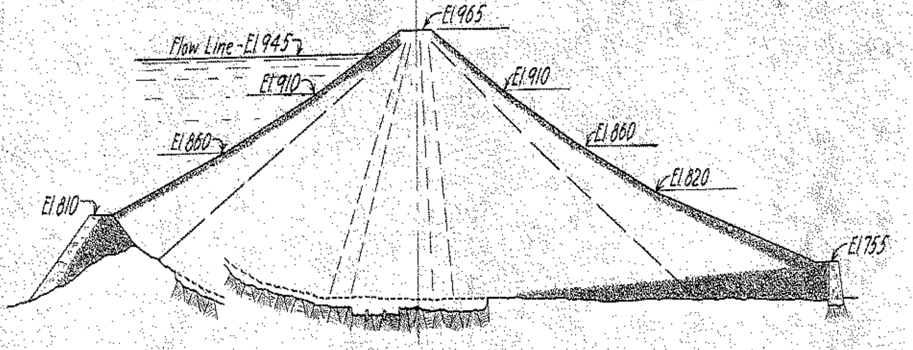
BOARD OF WATER COMMISSIONERS,

CHIEF ENGINEER

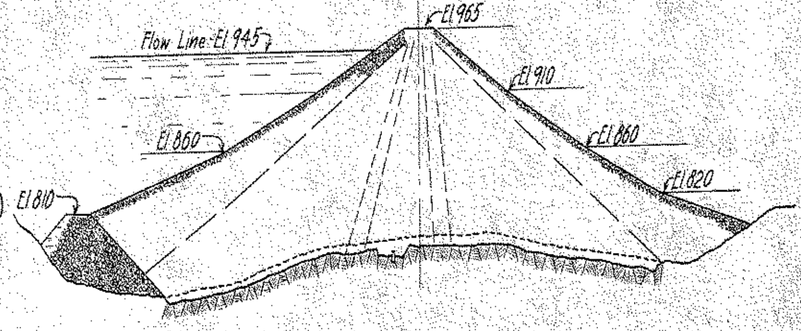
CONSULTING ENGINEER



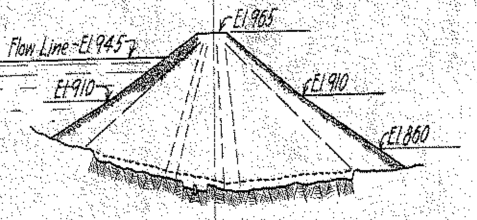
PLAN



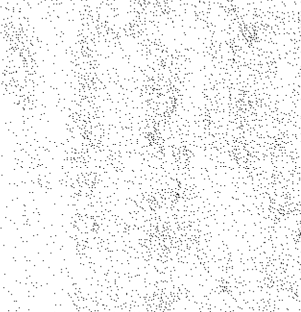
SECTION A-A



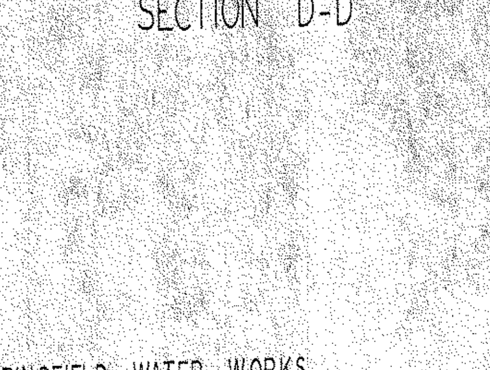
SECTION B-B



SECTION C-C



SECTION E-E



SECTION D-D

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11
COBBLE MOUNTAIN RESERVOIR

DAM

MISCELLANEOUS SECTIONS

SCALE 100 0 100 200 300 FEET

BOARD OF WATER COMMISSIONERS

CHIEF ENGINEER

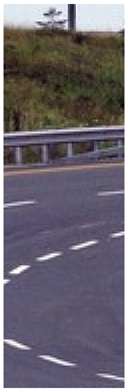
CONSULTING ENGINEER

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

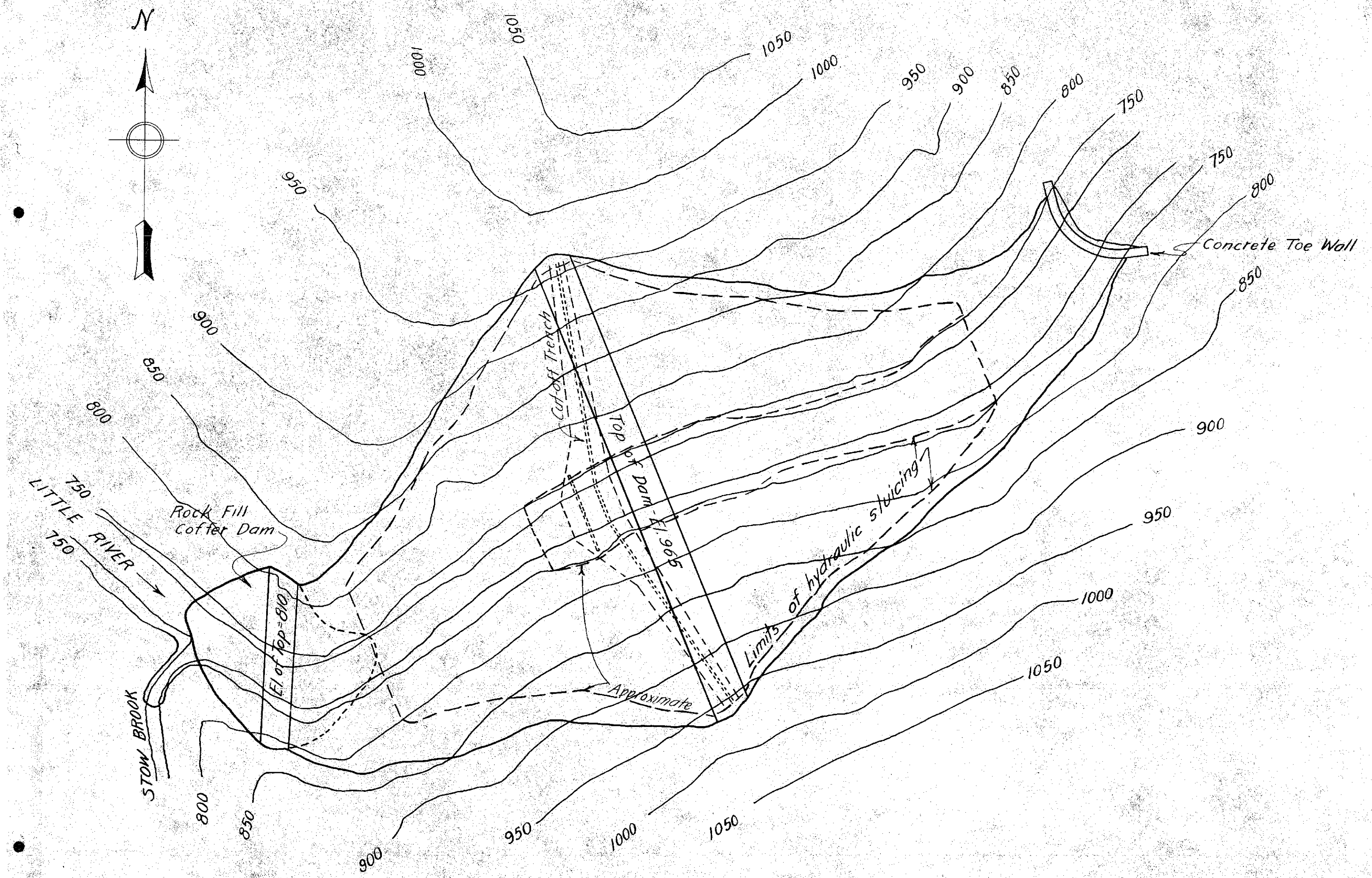
Plan Original Book and Page: **ch18013**

Name of specific Plan:

Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir Dam - Cut-Off Trench & Stripping

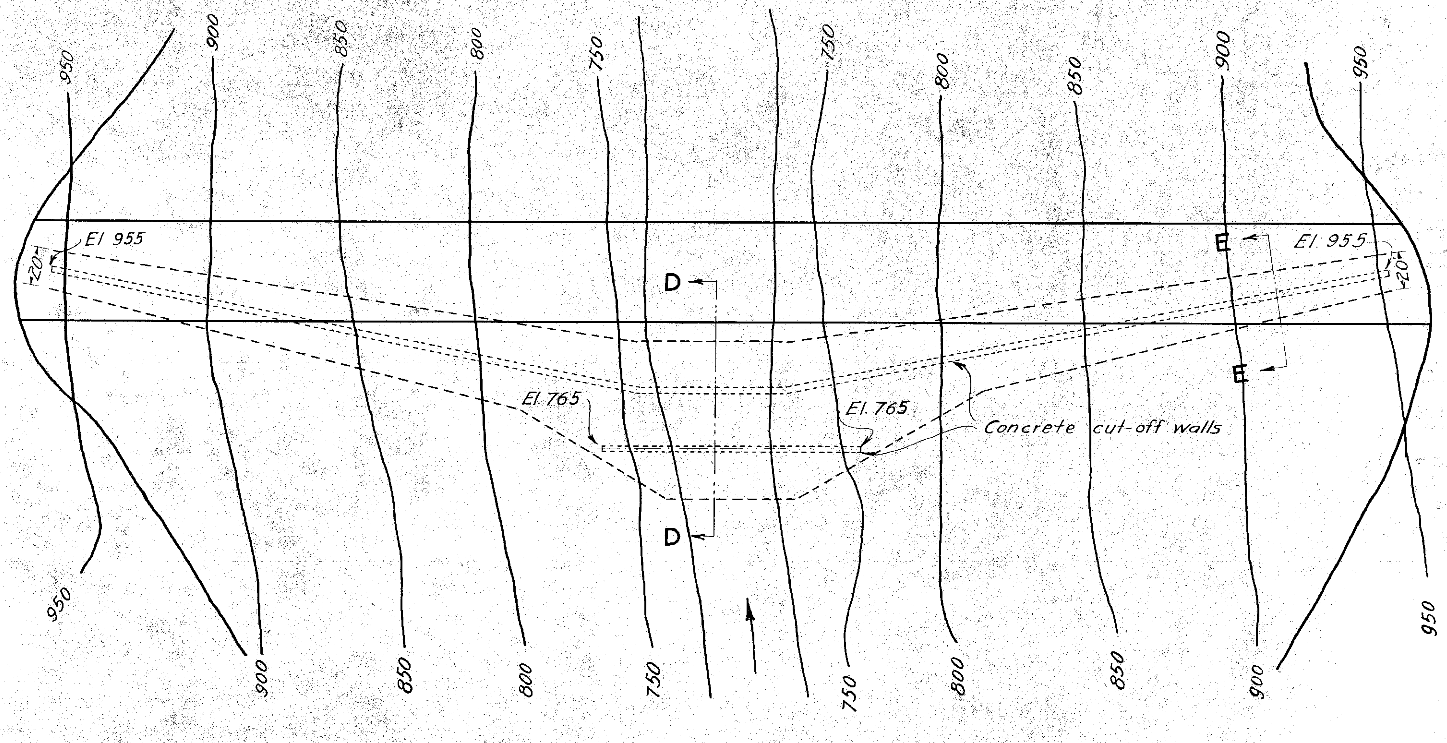


Category	Index
City/Town	**Russell**
Dam	**Cobble Mountain Reservoir D**
Water	**Little River**
Water	**Stow Brook**
Water	**Cobble Mountain Reservoir**



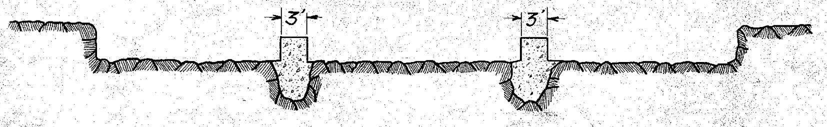
PLAN OF STRIPPING

SCALE 100 0 100 200 300 FEET



PLAN OF CUT-OFF TRENCH

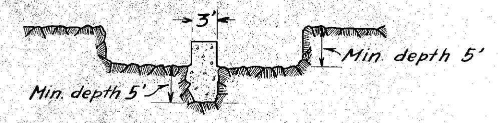
SCALE 40 20 0 40 80 120 FEET



Cut-off trench and walls extending to the hard solid rock of dimensions to be determined as the work proceeds

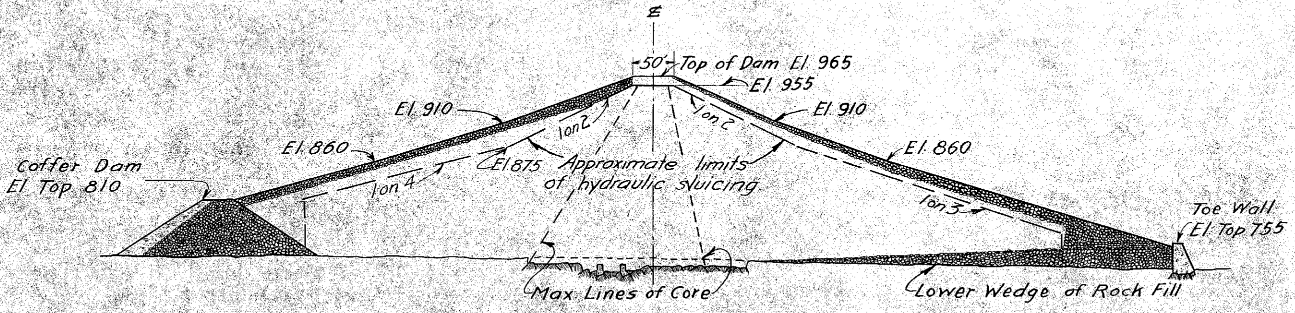
SECTION D-D

SCALE 10 0 10 20 30 FEET



SECTION E-E

SCALE 10 0 10 20 30 FEET



SECTION SHOWING LIMITS OF STRIPPING

SCALE 100 0 100 200 300 FEET

BOARD OF WATER COMMISSIONERS,

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO. 11
COBBLE MOUNTAIN RESERVOIR

DAM

CUT-OFF TRENCH AND STRIPPING

SCALES AS INDICATED

CHIEF ENGINEER

CONSULTING ENGINEER

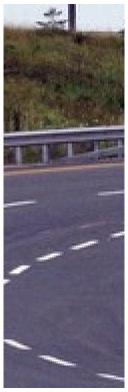
Hazen & Whipple
Civil Engineers
25 W. 43rd St. N.Y. City
May 7, 1928

2890
FCL

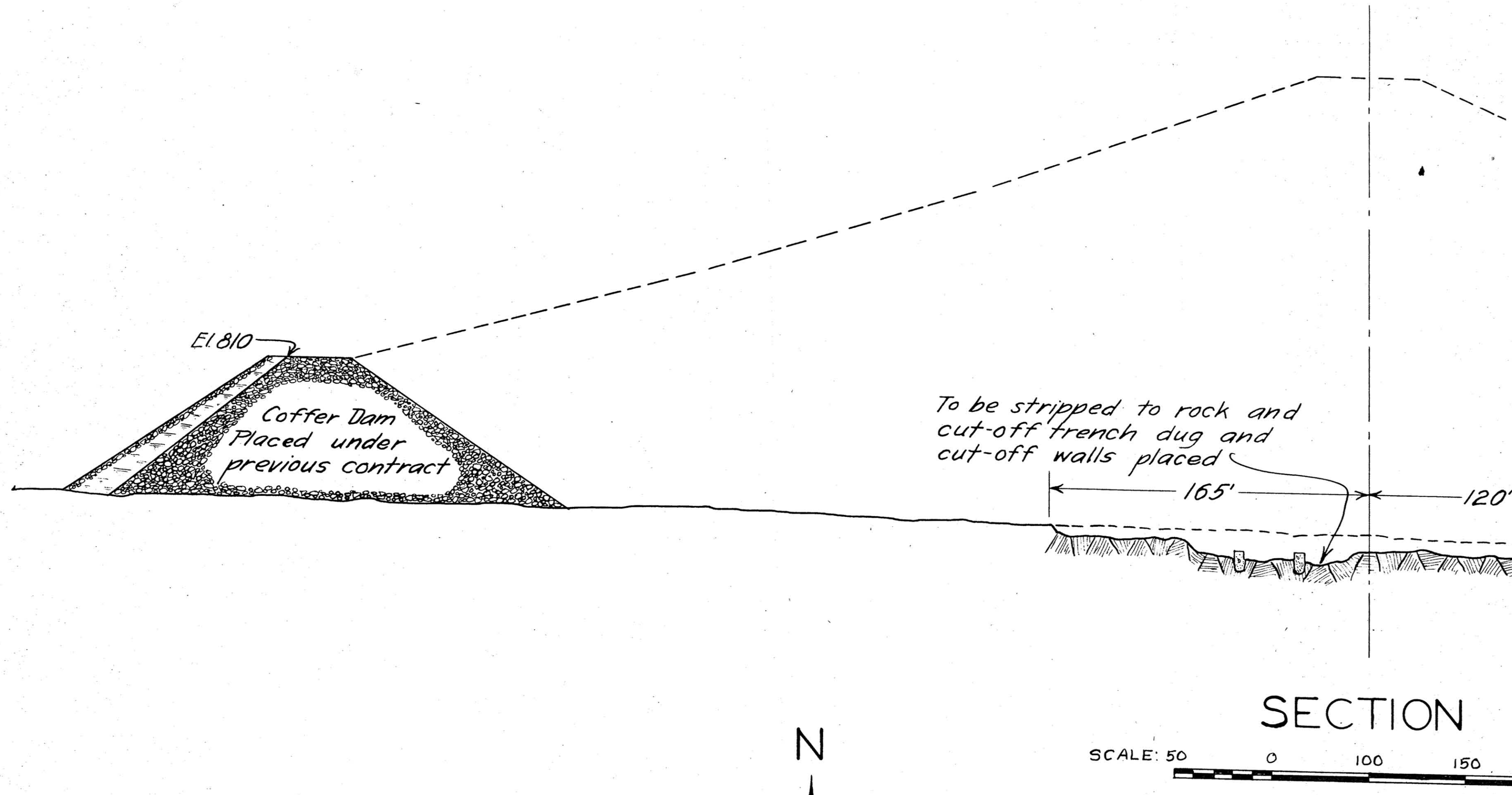
Plan Original Book and Page: **ch18015**

Name of specific Plan:

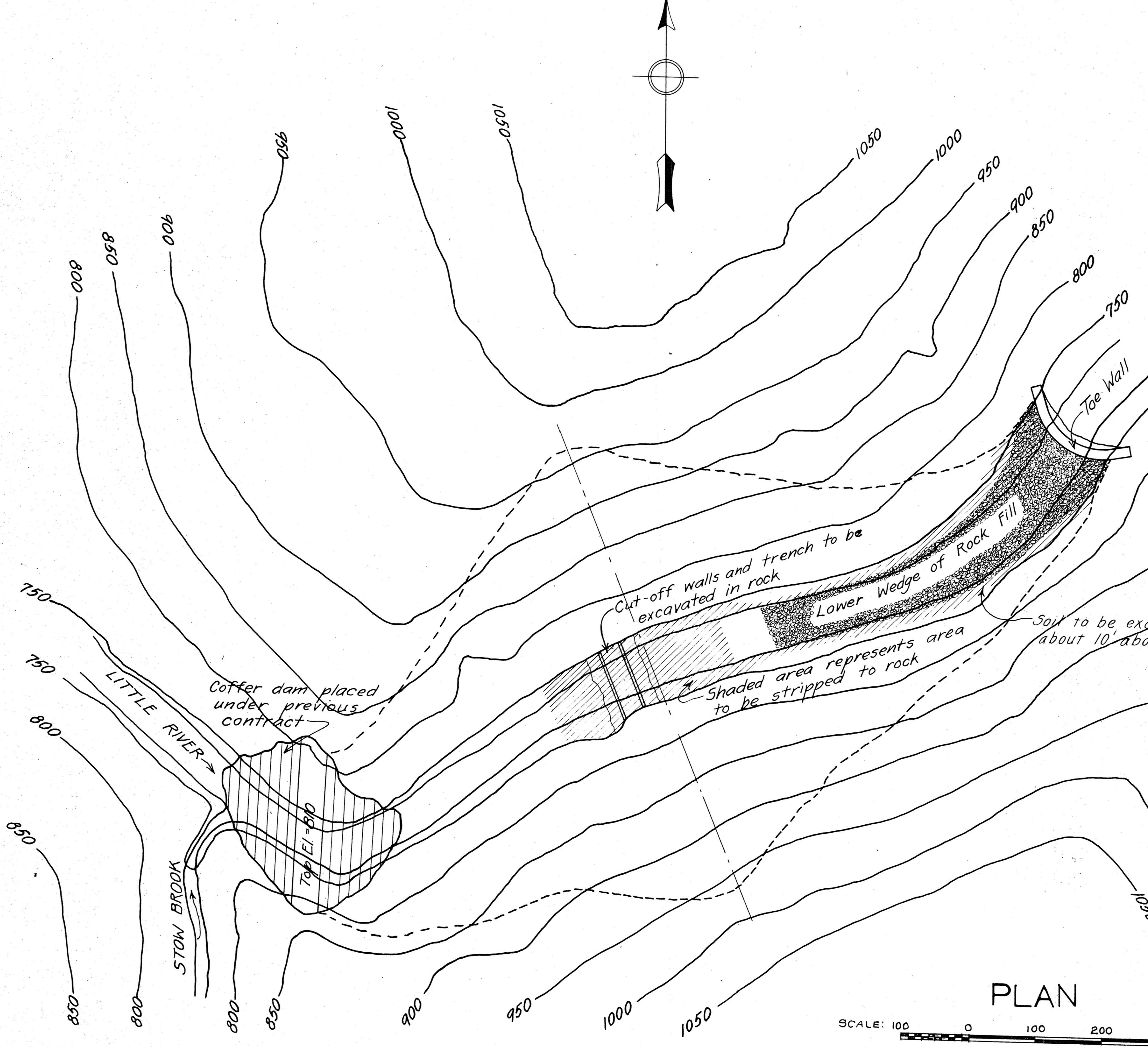
Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir - Work to be Done Before Sluicing is started



Category	Index
City/Town	**Russell**
Dam	**Cobble Mountain Reservoir D**
Water	**Stow Brook**
Water	**Little River**
Water	**Cobble Mountain Reservoir**


El. 810
Coffer Dam Placed under previous contract
To be stripped to rock and cut-off trench dug and cut-off walls placed
165'
120'
SCALE: 50 0 100 150

SECTION

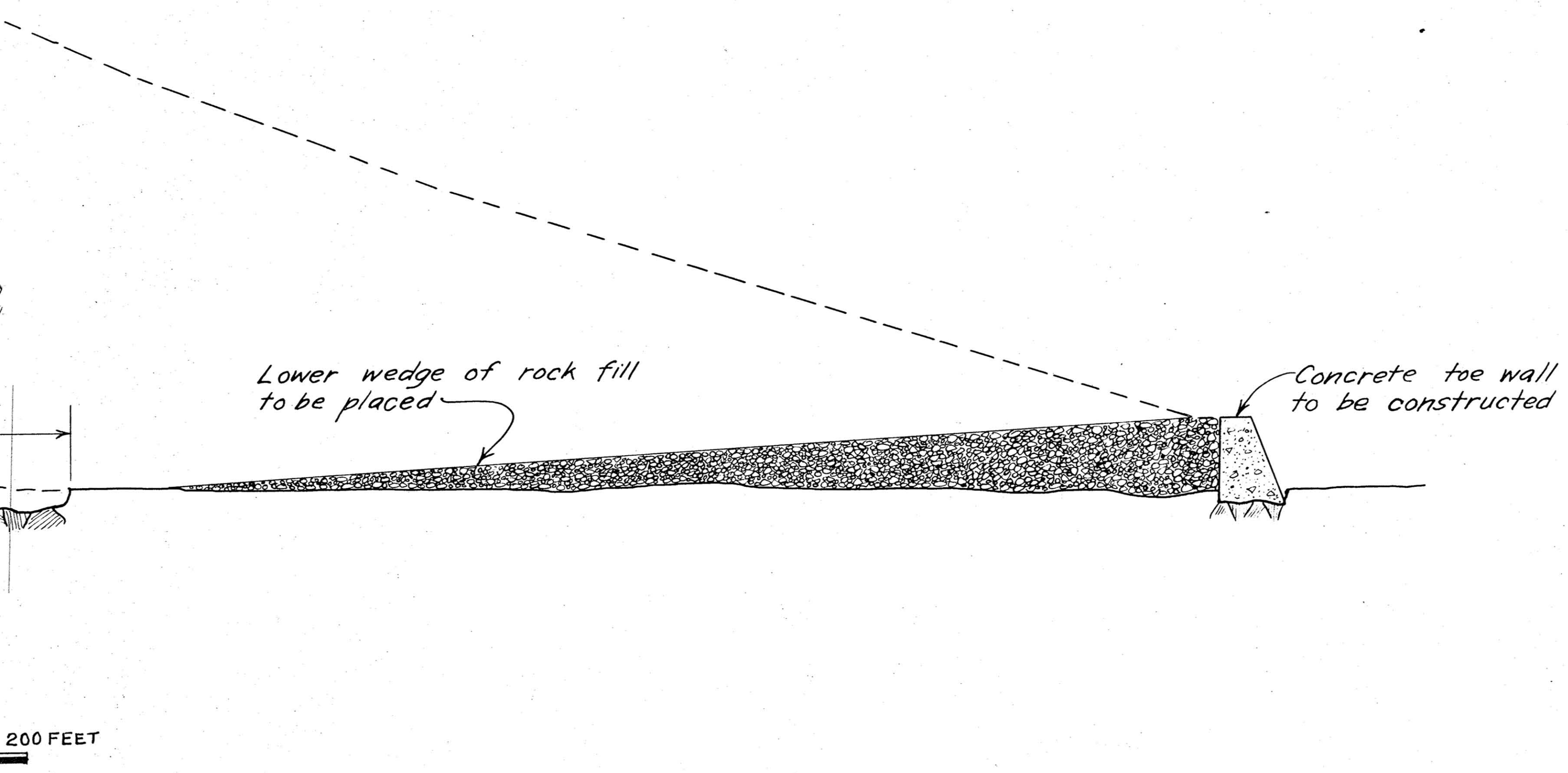

N
1050
1000
950
900
850
800
750
Toe Wall
Cut-off walls and trench to be excavated in rock
Lower Wedge of Rock Fill
Soil to be exc
about 10' abo
Shaded area represents area to be stripped to rock
Coffer dam placed under previous contract
LITTLE RIVER
STOW BROOK
Top El. 810
SCALE: 100 0 100 200

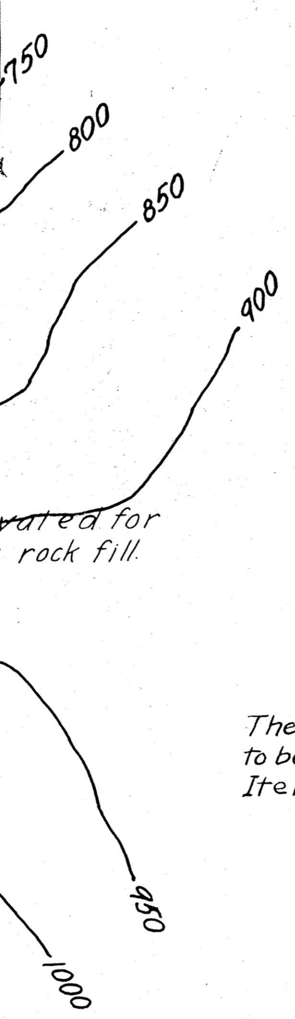
PLAN

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

16

SHEET NO 8


Lower wedge of rock fill to be placed
Concrete toe wall to be constructed
200 FEET



The entire area to be covered by dam to be cleared of trees and logs under Item-8

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11
COBBLE MOUNTAIN RESERVOIR
DAM
WORK TO BE DONE BEFORE SLUICING IS STARTED

SCALES AS INDICATED

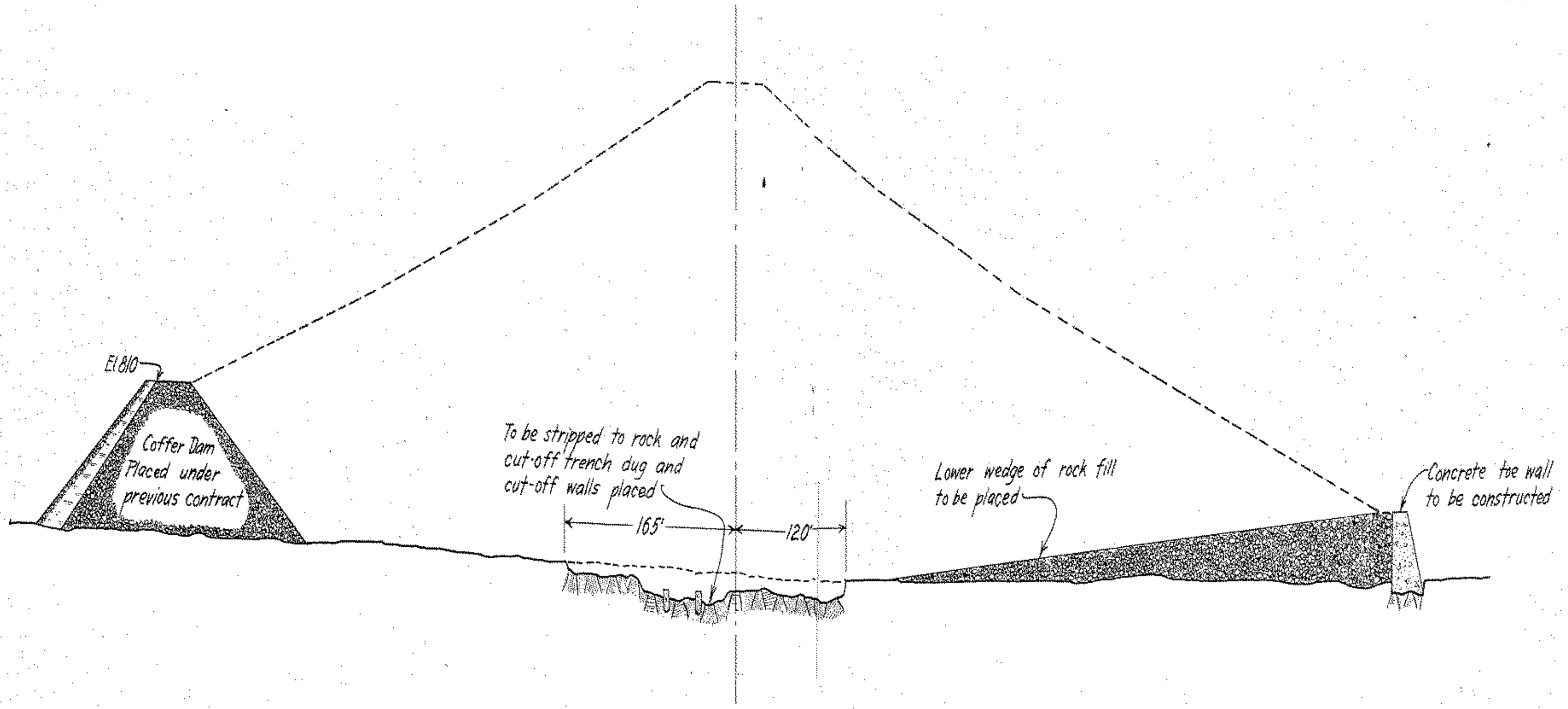
BOARD OF WATER COMMISSIONERS,

00 FEET

CHIEF ENGINEER

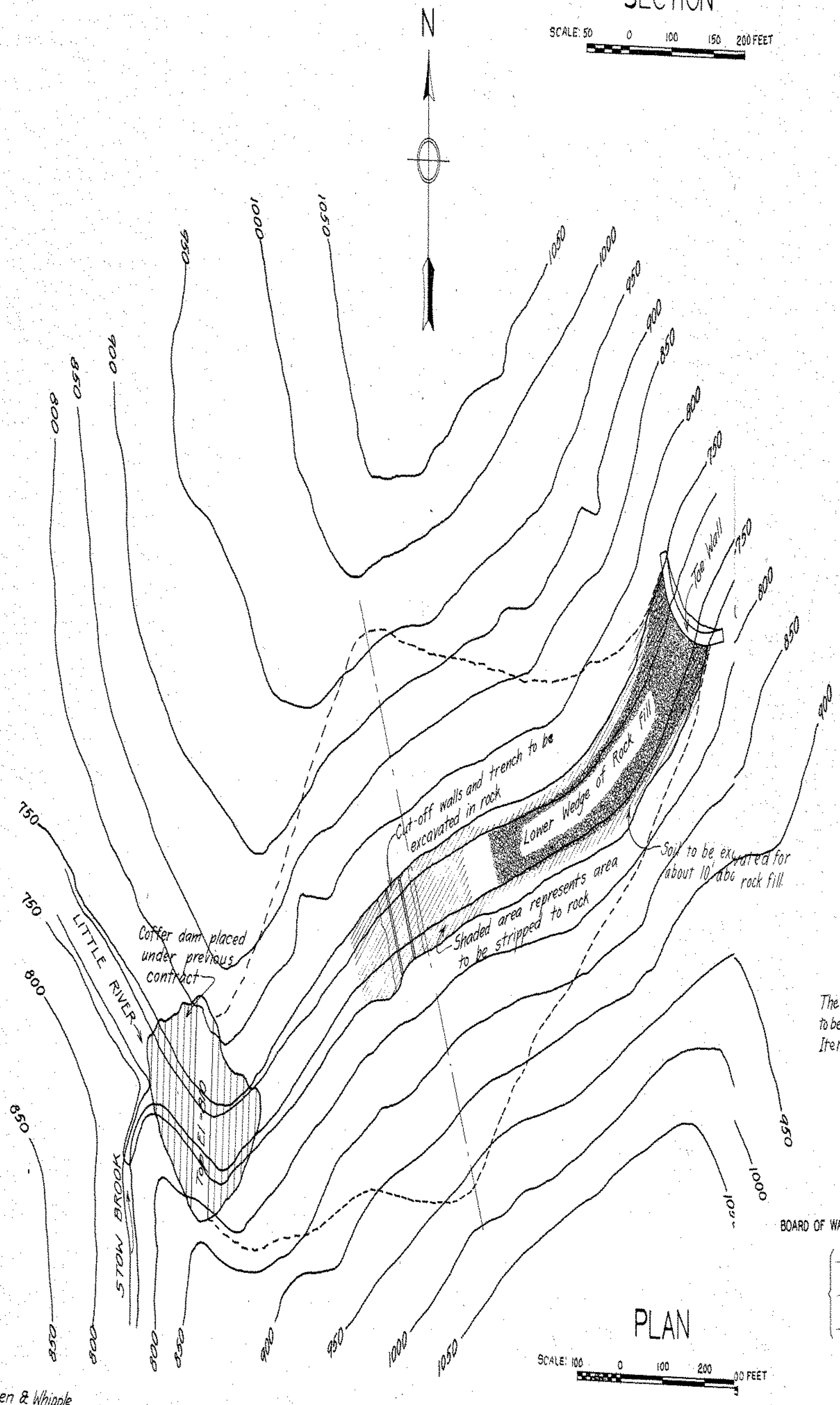
CONSULTING ENGINEER

2891 CTW


El 810
Coffer Dam Placed under previous contract
To be stripped to rock and cut-off trench dug and cut-off walls placed
165'
120'
Lower wedge of rock fill to be placed
Concrete toe wall to be constructed

SECTION

SCALE: 50 0 100 150 200 FEET


N
1000
1050
950
900
850
800
750
800
850
900
950
1000
1050
Toe Wall
Cut-off walls and trench to be excavated in rock
Lower Wedge of Rock Fill
Soil to be excavated for about 10' abo rock fill
Shaded area represents area to be stripped to rock
Coffer dam placed under previous contract
LITTLE RIVER
STOW BROOK
Top El 810

PLAN

SCALE: 100 0 100 200 300 FEET

The entire area to be covered by dam to be cleared of trees and logs under Item-8

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11
COBBLE MOUNTAIN RESERVOIR

DAM

WORK TO BE DONE BEFORE
SLUICING IS STARTED

SCALES AS INDICATED

BOARD OF WATER COMMISSIONERS,

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

CHIEF ENGINEER

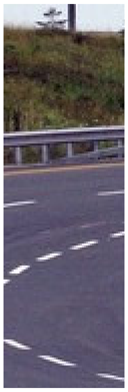
CONSULTING ENGINEER

2891 CTW

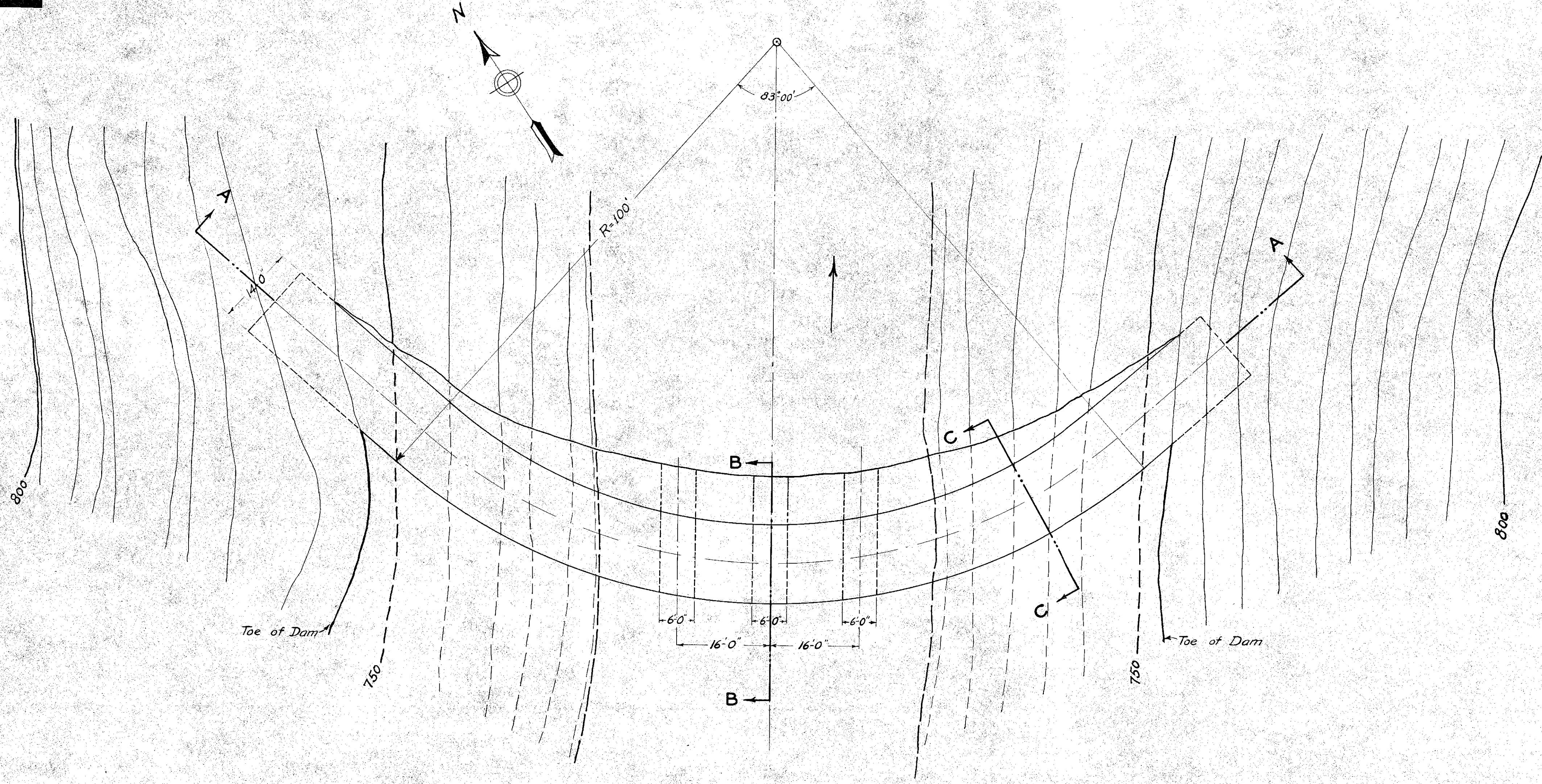
Plan Original Book and Page: **ch18017**

Name of specific Plan:

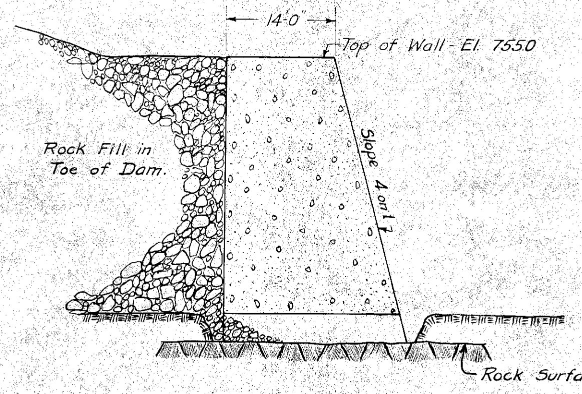
Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir -Dam Concrete Wall at Lower Toe



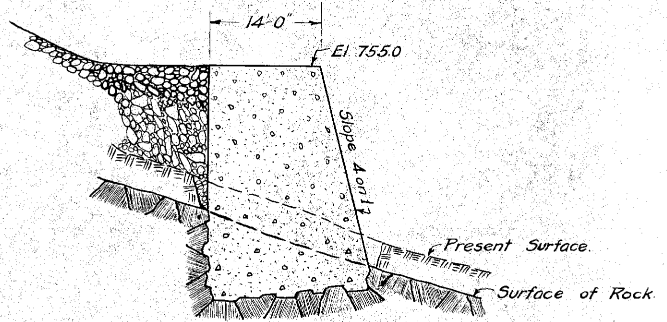
Category	Index
City/Town	**Russell**
Dam	**Cobble Mountain Reservoir D**
Railroads	**Cobble Mountain Reservoir**



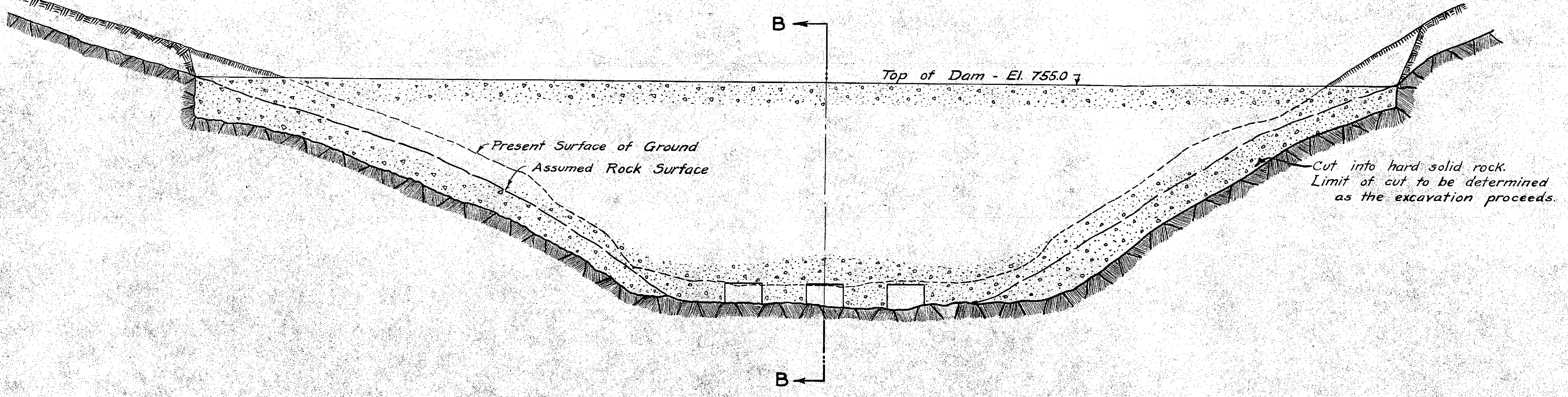
PLAN



SECTION B - B



SECTION C - C


B
B
Top of Dam - El. 755.0
Present Surface of Ground
Assumed Rock Surface
Cut into hard solid rock.
Limit of cut to be determined
as the excavation proceeds.

SECTION A - A

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO. 11.
COBBLE MOUNTAIN RESERVOIR

DAM

CONCRETE WALL AT LOWER TOE

0 5 10 20 30 40 50 60 FEET.

BOARD OF WATER COMMISSIONERS,

CHIEF ENGINEER

CONSULTING ENGINEER

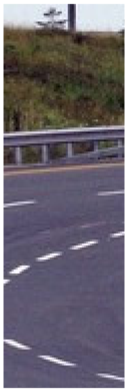
Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

2892
RVG

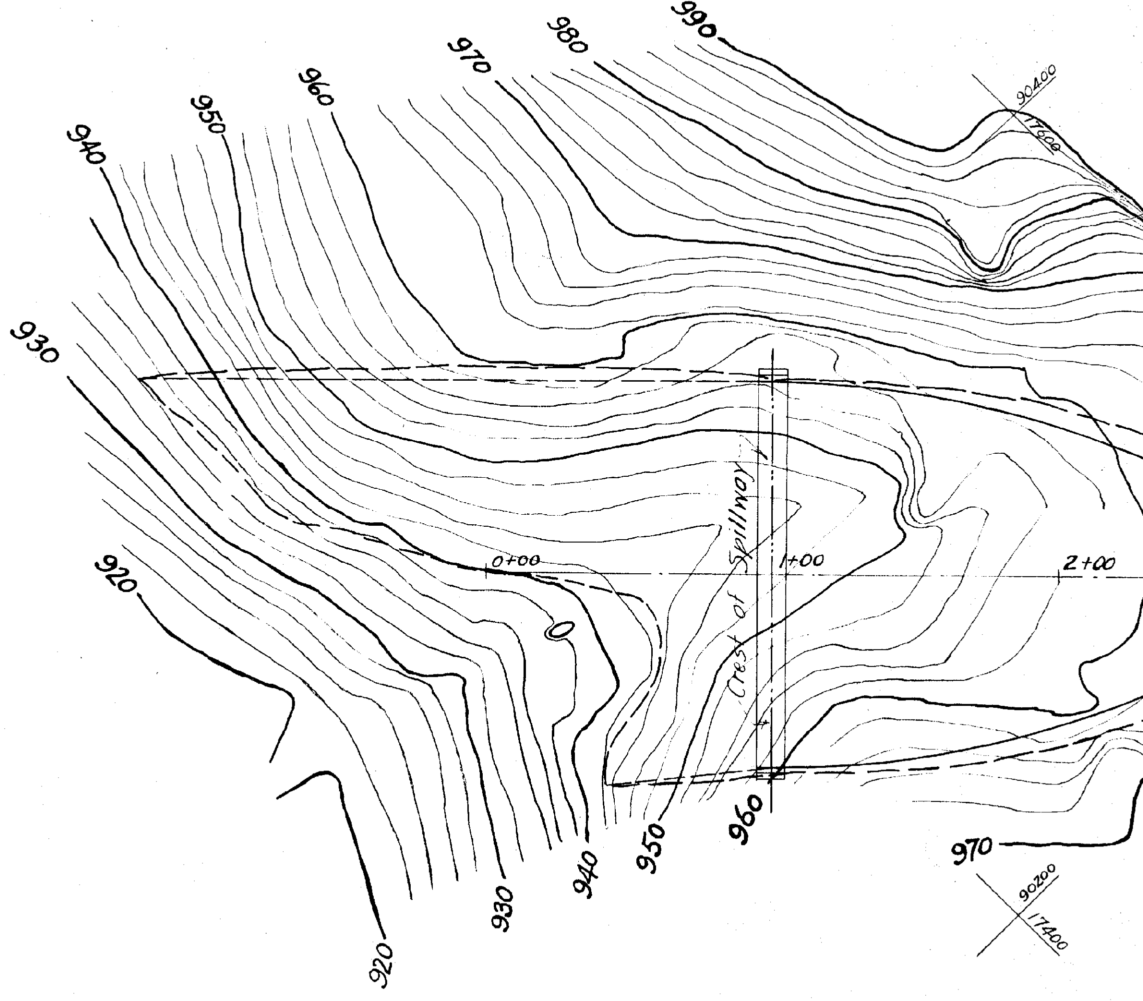
Plan Original Book and Page: **ch18019**

Name of specific Plan:

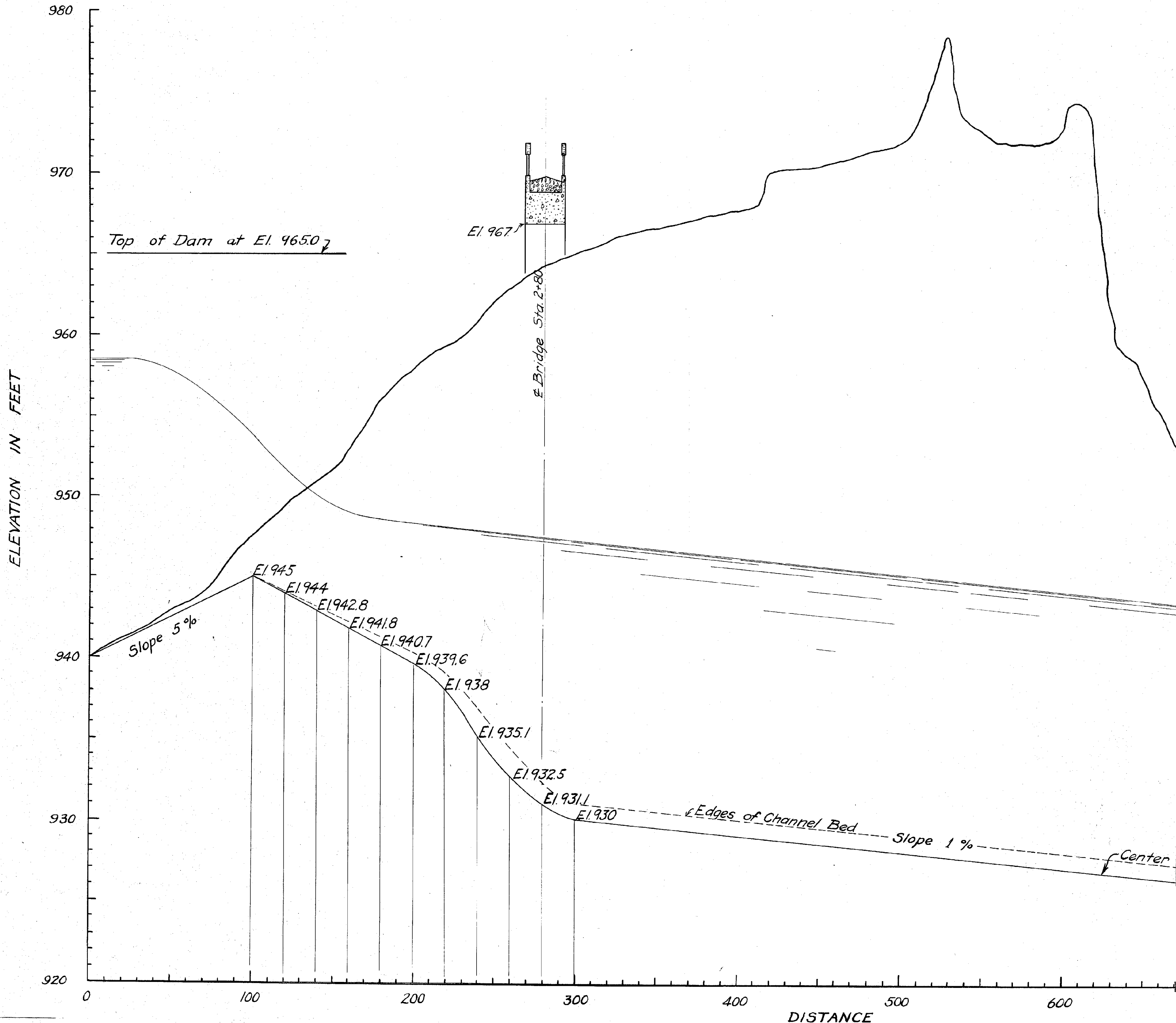
Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir Dam- Spillway Plan and Profile



Category	Index
City/Town	**Russell**
Dam	**Cobble Mountain Reservoir D**
Water	**Cobble Mountain Reservoir**

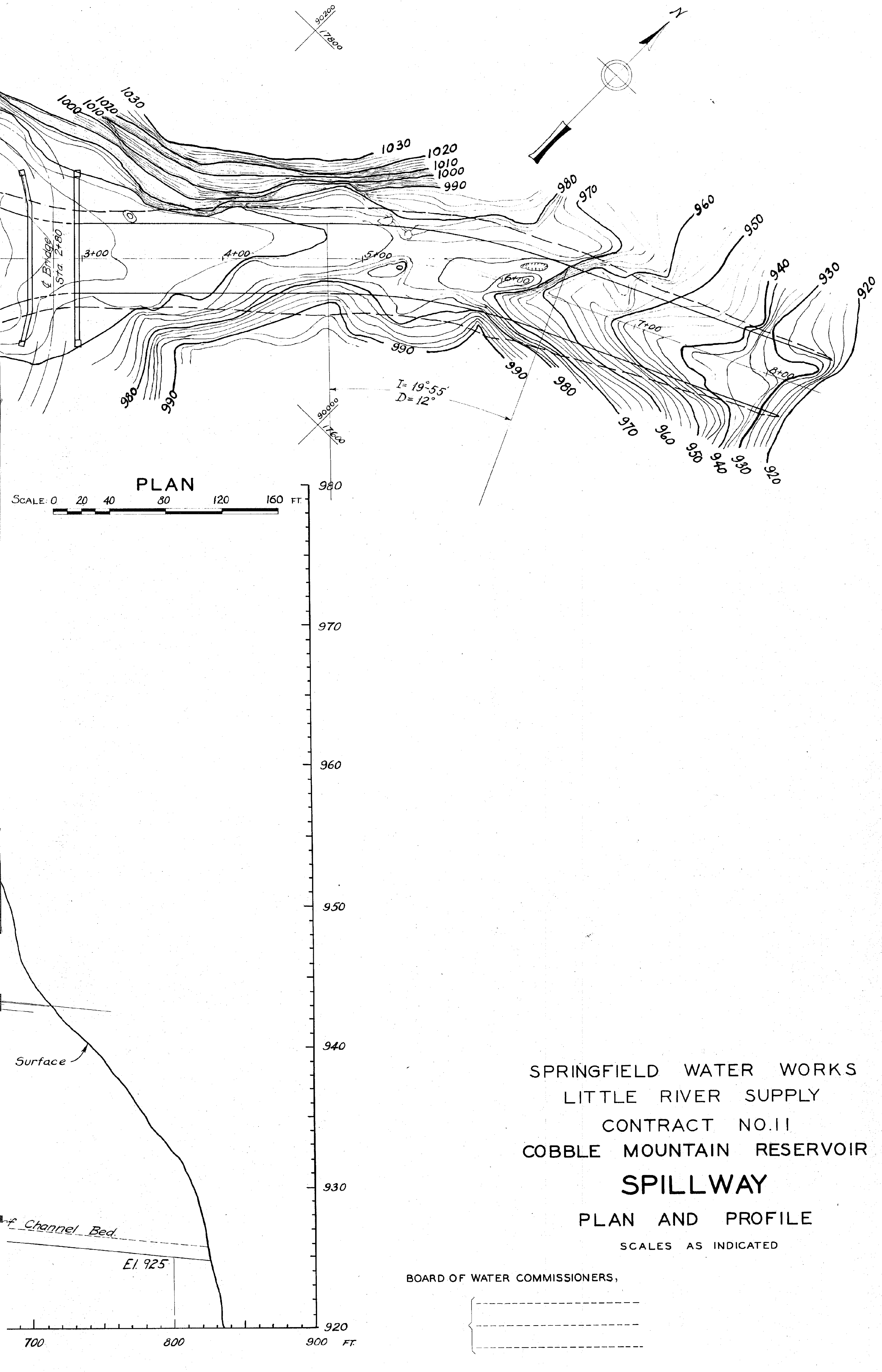


Assumed Spillway Conditions - 20,000 cfps Discharge										
Sta.	Ave. El. Floor	Width	Depth Water	Area	Hyd. Radius	Vel. Ft/Sec	Vel. Hd.	Slope Ft/1000 C=60	Approx. El. Water Surf.	El. Water plus Vel. Hd.
0+0	940								958.5	958.5
1+0	945	135	8.8	1190	7.8	16.8	4.4	5.0	953.8	958.2
1+50	942.5	127	6.9	874	6.2	22.9	8.1	12.0	949.4	957.5
2+0	940.2	104	8.2	850	7.0	23.5	8.6	10.8	948.4	957.0
2+50	935.4	68	12.5	850	9.2	23.5	8.6	7.8	947.9	956.5
3+0	930.4	50	17.0	850	10.1	23.5	8.6	7.0	947.4	956.0
4+0	929.4	50	17.0	850	10.1	23.5	8.6	7.0	946.4	955.0
5+0	928.4	50	17.0	850	10.1	23.5	8.6	7.0	945.4	954.0
6+0	927.4	50	17.0	850	10.1	23.5	8.6	7.0	944.4	953.0
7+0	926.4	50	17.0	850	10.1	23.5	8.6	7.0	943.4	952.0
8+0	925.4	50	17.0	850	10.1	23.5	8.6	7.0	942.4	951.0



PROFILE ALONG CENTER LINE

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928



SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO. 11
COBBLE MOUNTAIN RESERVOIR
SPILLWAY
PLAN AND PROFILE

SCALES AS INDICATED

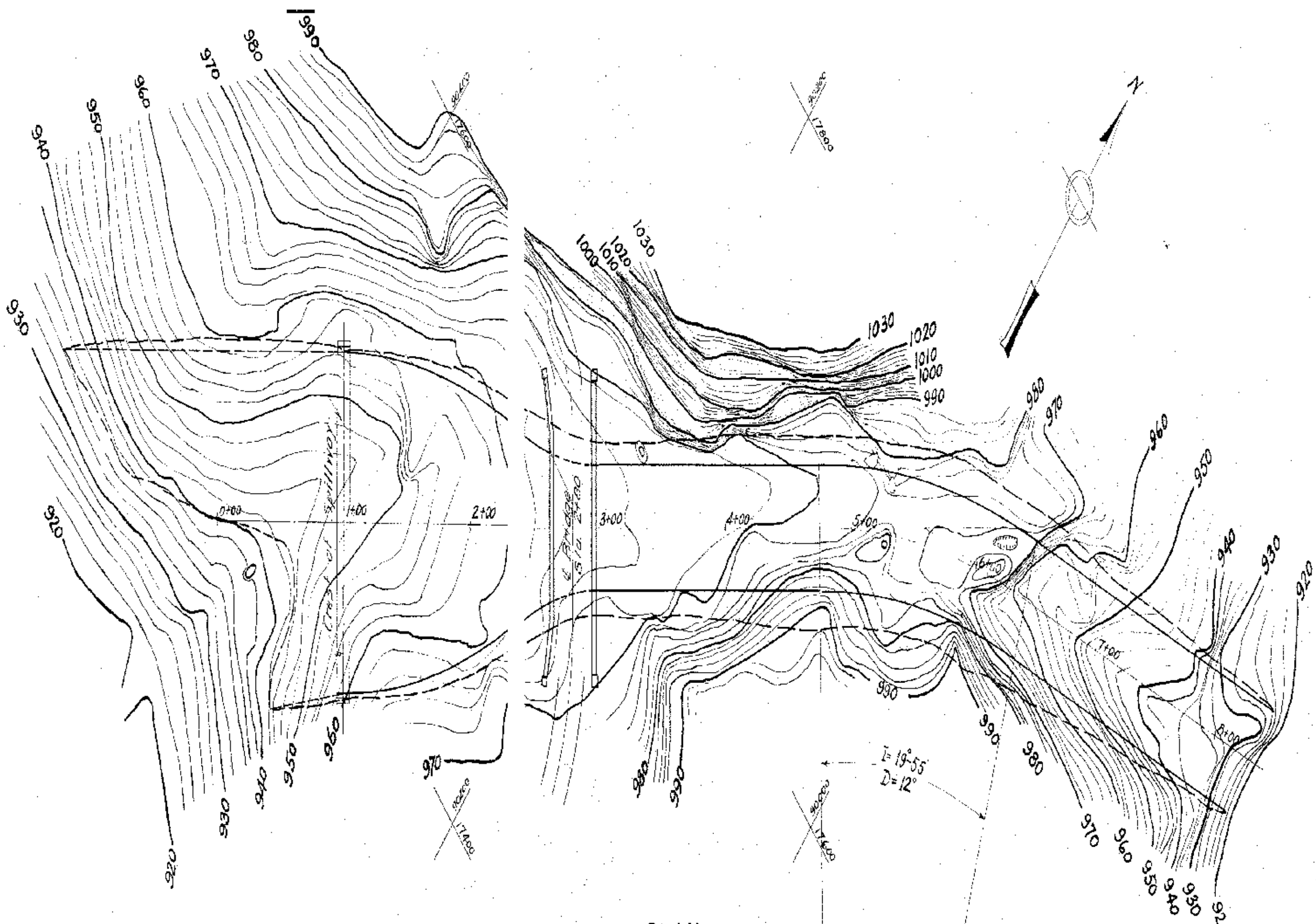
BOARD OF WATER COMMISSIONERS,

CHIEF ENGINEER

CONSULTING ENGINEER

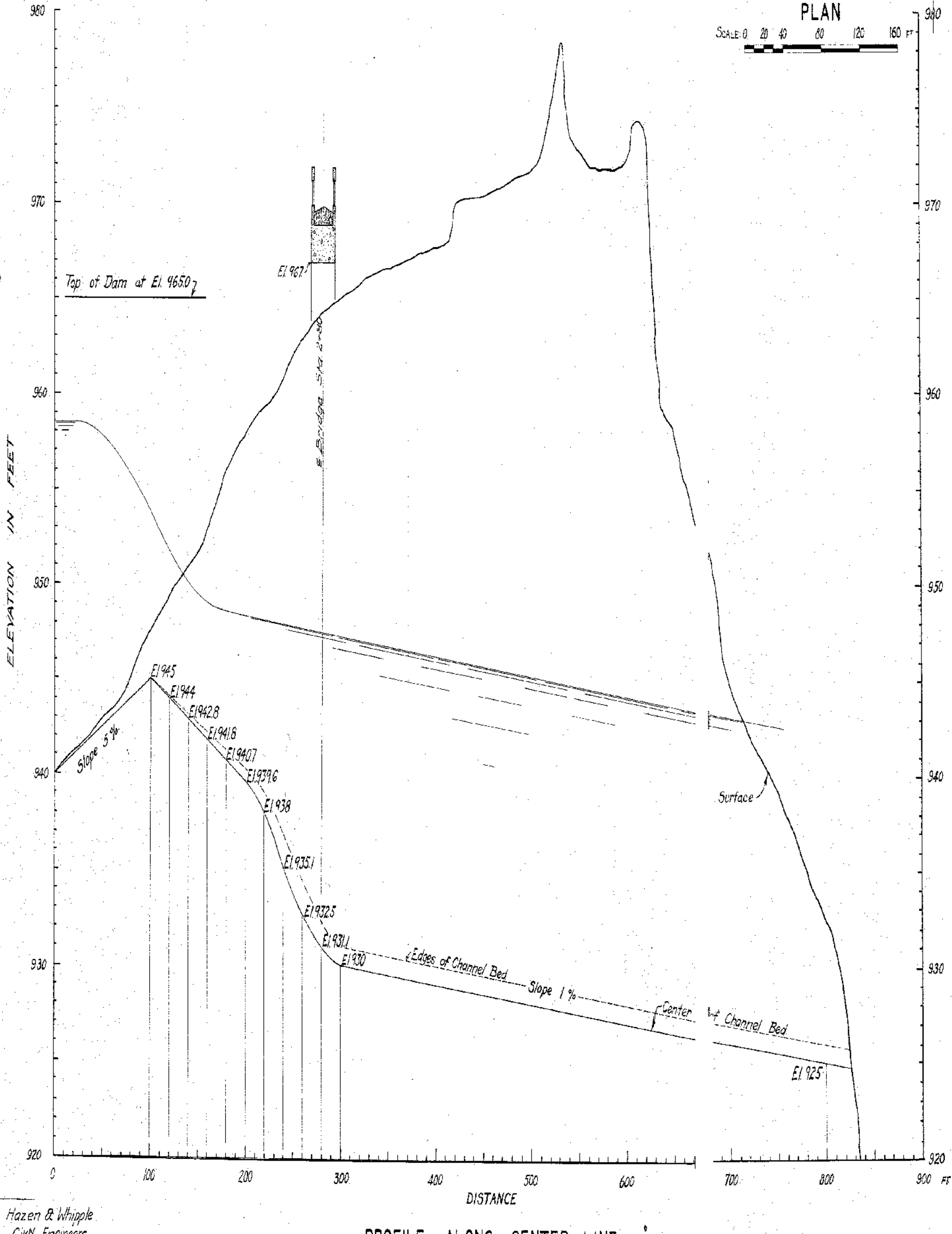
2893 RVG

Assumed Spillway Conditions - 20,000 cfps Discharge										
Sta.	Ave. El. Floor	Width	Depth Water	Area	Hyd. Radius	Vel. Ft/Sec	Vel. Hd.	Slope Ft/1000 C=60	Approx. El. Water Surf.	El. Water plus Vel. Hd.
0+0	940								958.5	958.5
1+0	945	135	8.8	1190	7.8	16.8	4.4	5.0	953.8	958.2
1+50	942.5	127	6.9	874	6.2	22.9	8.1	12.0	949.4	957.5
2+0	940.2	104	8.2	850	7.0	23.5	8.6	10.8	948.4	957.0
2+50	935.4	68	12.5	850	9.2	23.5	8.6	7.8	947.9	956.5
3+0	930.4	50	17.0	850	10.1	23.5	8.6	7.0	947.4	956.0
4+0	929.4	50	17.0	850	10.1	22.5	8.6	7.0	946.4	955.0
5+0	928.4	50	17.0	850	10.1	23.5	8.6	7.0	945.4	954.0
6+0	927.4	50	17.0	850	10.1	23.5	8.6	7.0	944.4	953.0
7+0	926.4	50	17.0	850	10.1	23.5	8.6	7.0	943.4	952.0
8+0	925.4	50	17.0	850	10.1	23.5	8.6	7.0	942.4	951.0



PLAN

SCALE: 0 20 40 80 120 160 FT



PROFILE ALONG CENTER LINE

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO. 11
COBBLE MOUNTAIN RESERVOIR

SPILLWAY

PLAN AND PROFILE

SCALES AS INDICATED

BOARD OF WATER COMMISSIONERS.

CHIEF ENGINEER

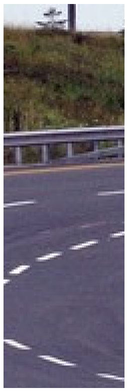
CONSULTING ENGINEER

2893 RVS

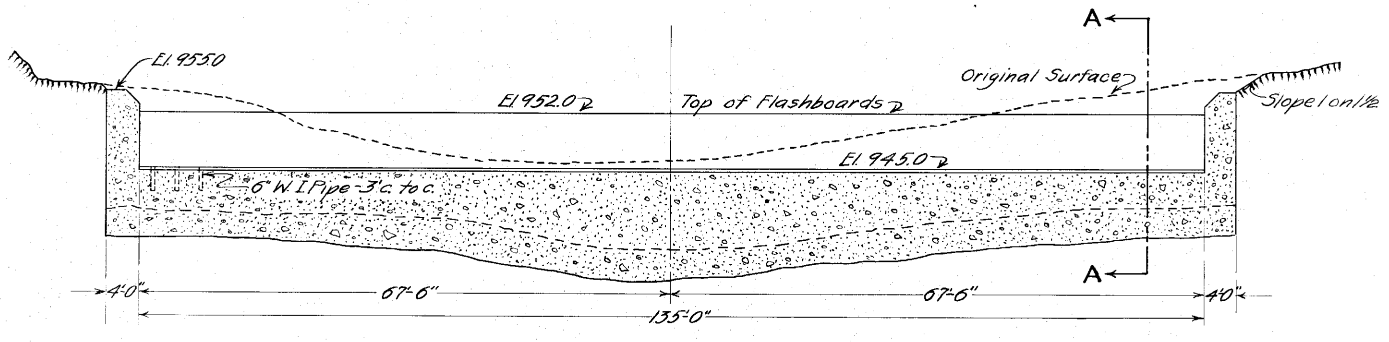
Plan Original Book and Page: **ch18021**

Name of specific Plan:

Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir Dam- Spillway Plan and Sections

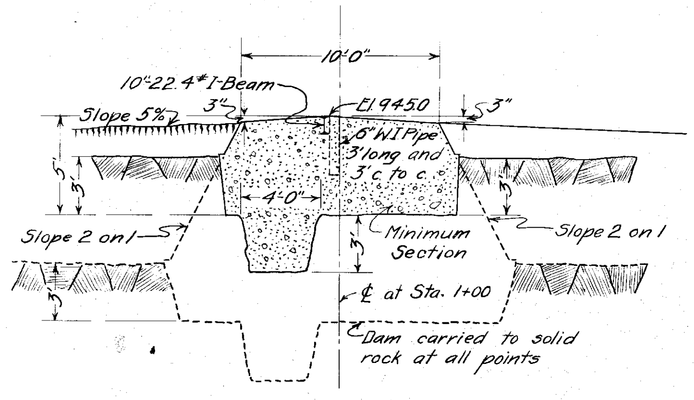


Category	**Index**
City/Town	**Russell**
Dam	**Cobble Mountain Reservoir D**
Water	**Cobble Mountain Reservoir**



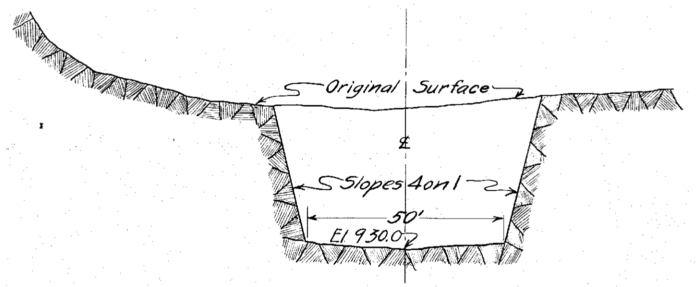
SECTION
STA. 0+97

SCALE 10 5 0 10 20 30 FEET



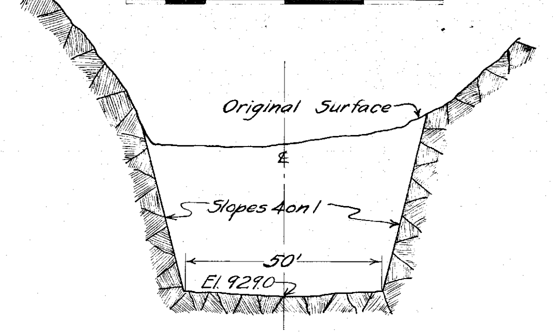
SECTION A-A

SCALE 4 2 0 4 8 12 FEET



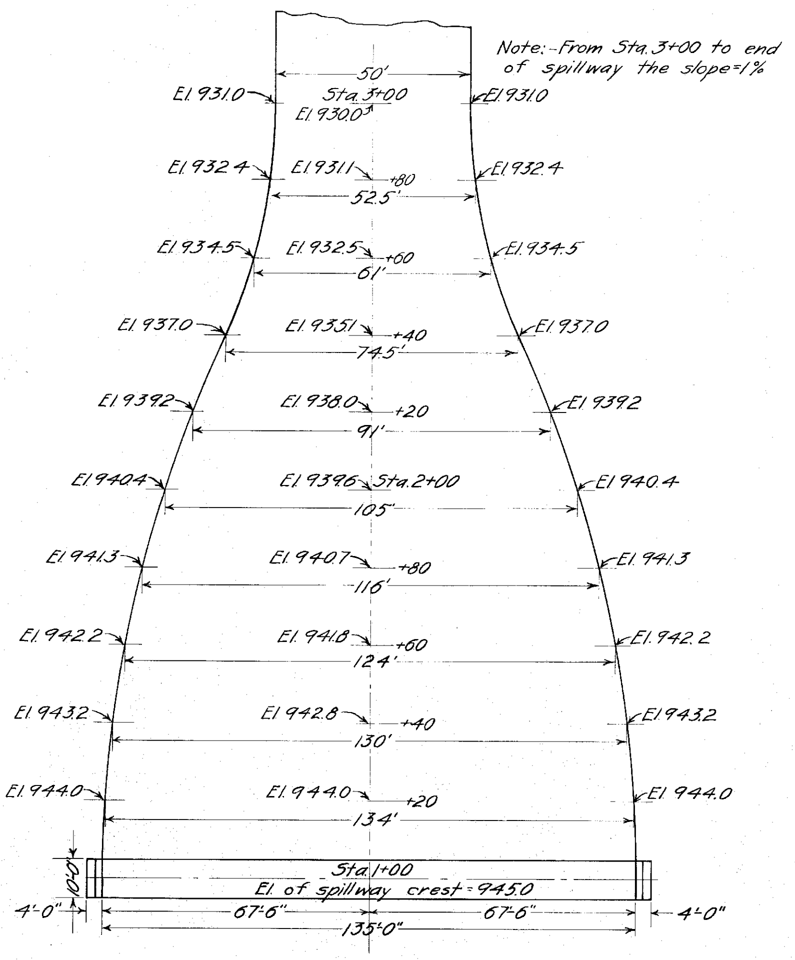
SECTION
STA. 3+00

SCALE 20 10 0 20 40 60 FEET



SECTION
STA. 4+00

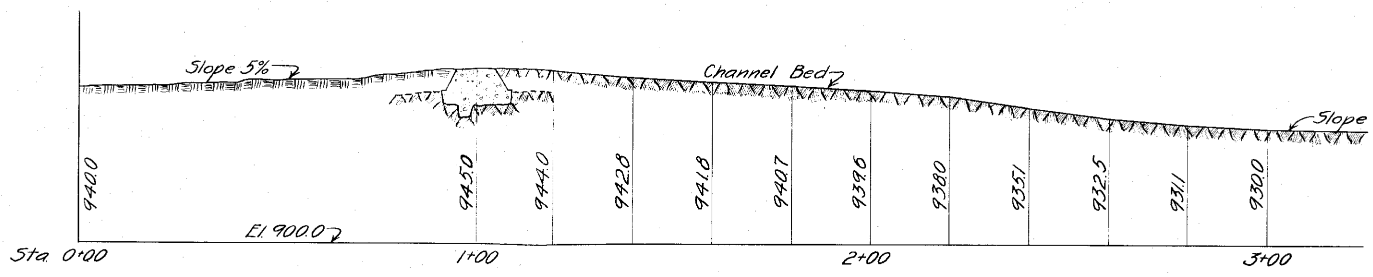
SCALE 20 10 0 20 40 60 FEET



Note:-From Sta. 3+00 to end of spillway the slope=1%

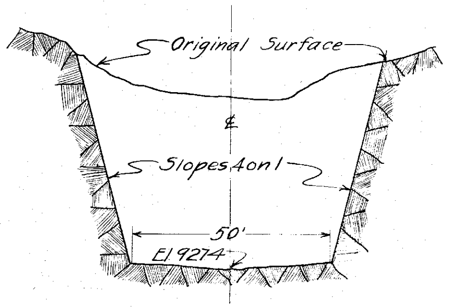
PLAN

SCALE 20 10 0 20 40 60 FEET



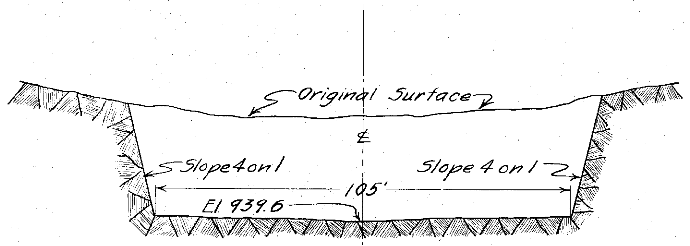
SECTION ALONG CENTER LINE

SCALE 20 10 0 20 40 60 FEET



SECTION
STA. 5+59

SCALE 20 10 0 20 40 60 FEET



SECTION
STA. 2+00

SCALE 20 10 0 20 40 60 FEET

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO. 11
COBBLE MOUNTAIN RESERVOIR

SPILLWAY

PLAN AND SECTIONS
SCALES AS INDICATED

BOARD OF WATER COMMISSIONERS,

CHIEF ENGINEER

CONSULTING ENGINEER

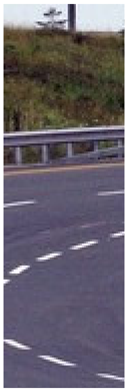
Hazen & Whipple
Civil Engineers
25 W. 43 St. N.Y.C.
May 7 1928

2894
C.T.W.

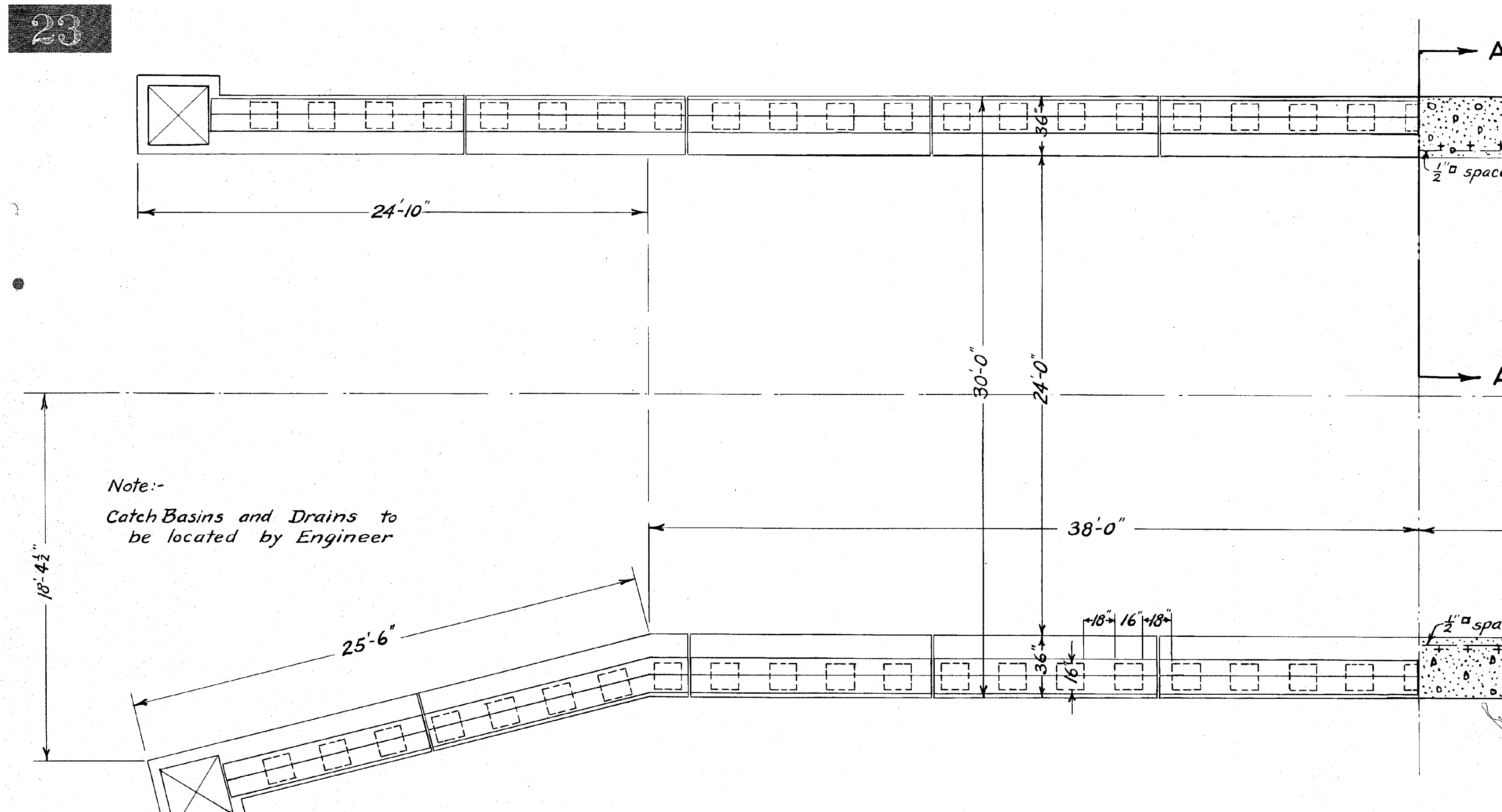
Plan Original Book and Page: **ch18023**

Name of specific Plan:

Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir- Spillway Bridge - Plan and Elevation

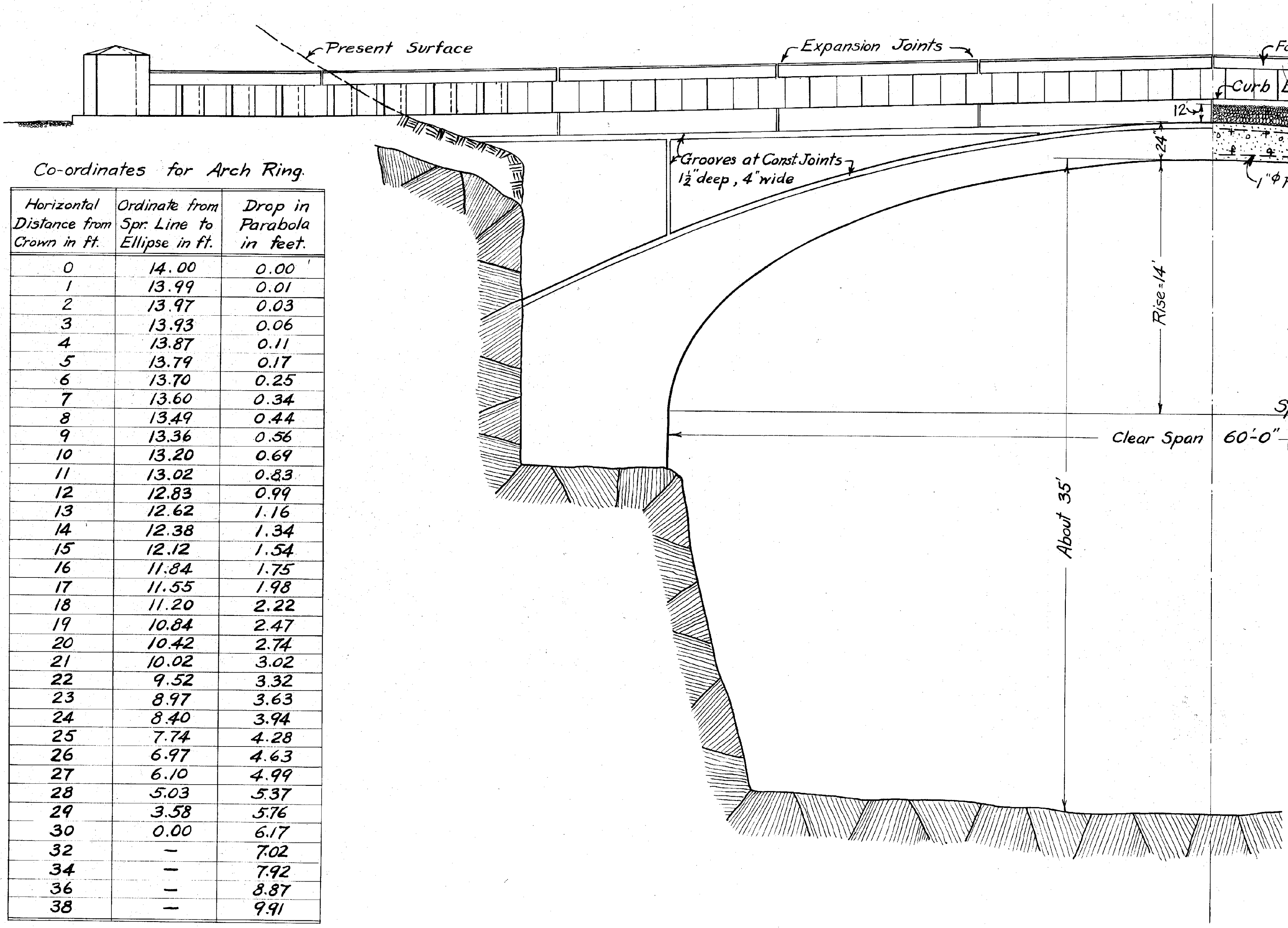


Category	Index
City/Town	**Russell**
Water	**Cobble Mountain Reservoir**



Note:-
Catch Basins and Drains to be located by Engineer

PLAN



HALF ELEVATION

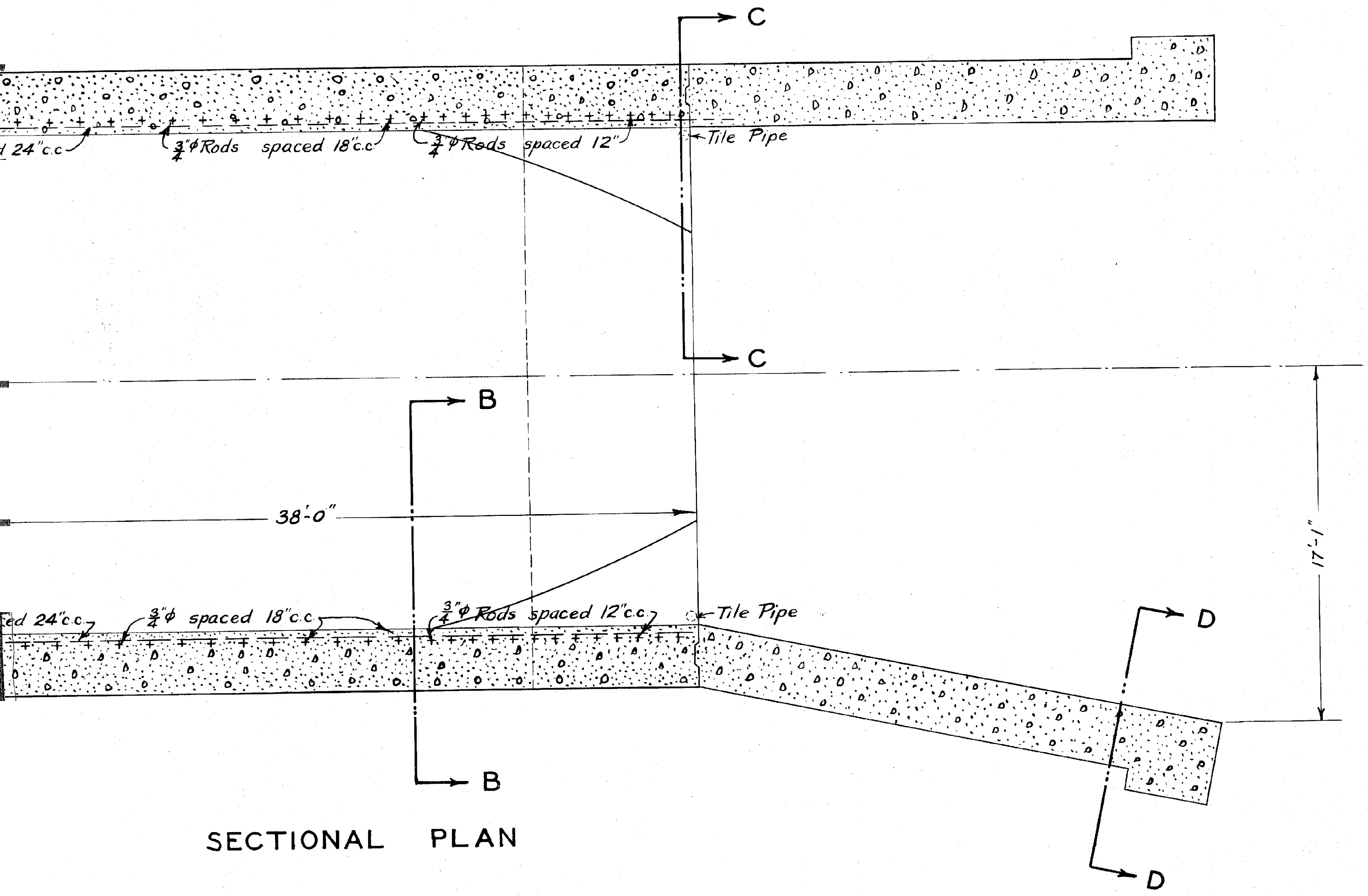
Co-ordinates for Arch Ring.

Horizontal Distance from Crown in ft.	Ordinate from Spr. Line to Ellipse in ft.	Drop in Parabola in feet.
0	14.00	0.00
1	13.99	0.01
2	13.97	0.03
3	13.93	0.06
4	13.87	0.11
5	13.79	0.17
6	13.70	0.25
7	13.60	0.34
8	13.49	0.44
9	13.36	0.56
10	13.20	0.69
11	13.02	0.83
12	12.83	0.99
13	12.62	1.16
14	12.38	1.34
15	12.12	1.54
16	11.84	1.75
17	11.55	1.98
18	11.20	2.22
19	10.84	2.47
20	10.42	2.74
21	10.02	3.02
22	9.52	3.32
23	8.97	3.63
24	8.40	3.94
25	7.74	4.28
26	6.97	4.63
27	6.10	4.99
28	5.03	5.37
29	3.58	5.76
30	0.00	6.17
32	—	7.02
34	—	7.92
36	—	8.87
38	—	9.91

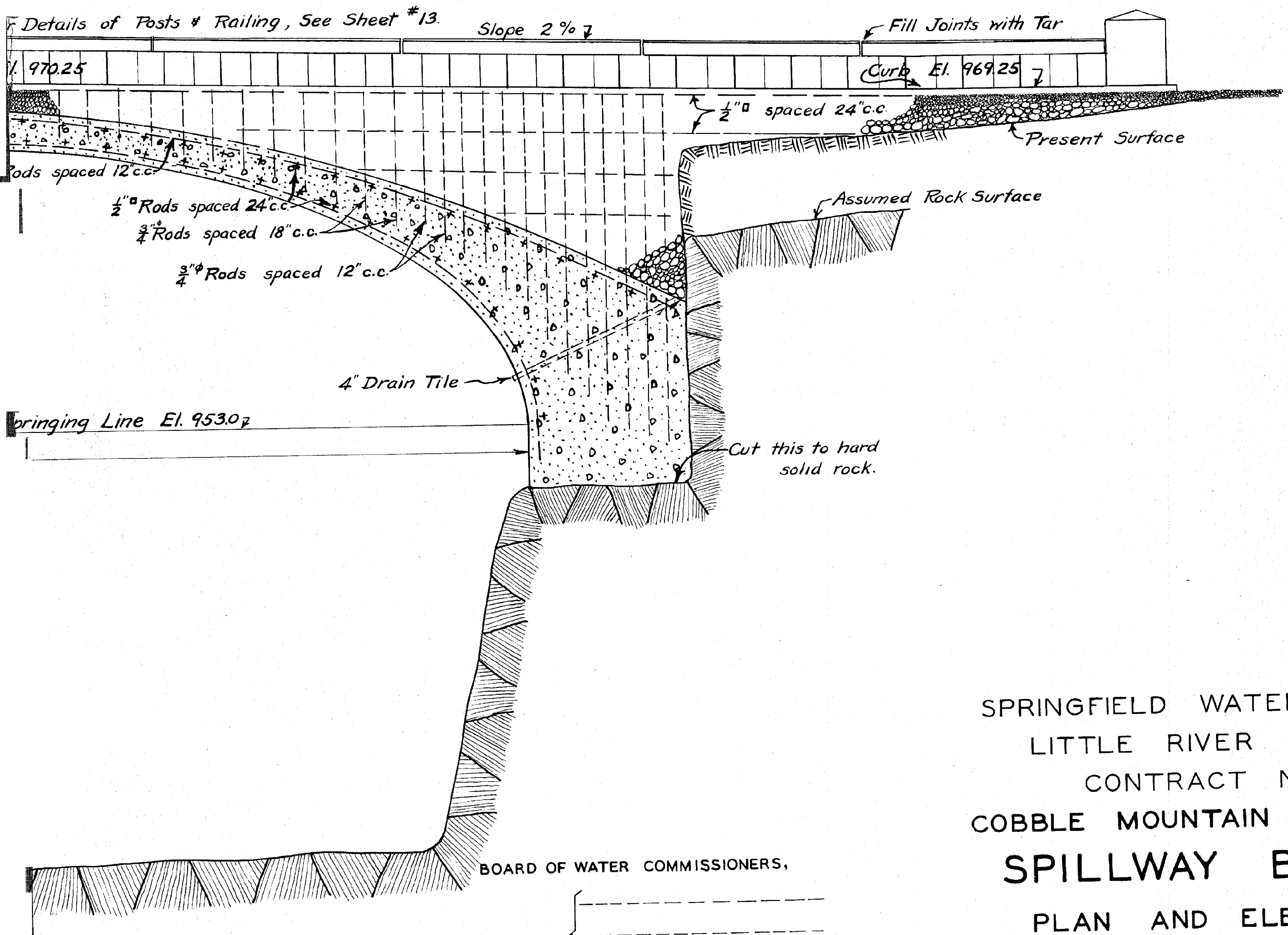
Hazen & Whipple
Civil Engineers
25 W. 43rd St, N.Y. City
May 7, 1928.

SHEET NO.12

24



SECTIONAL PLAN



BOARD OF WATER COMMISSIONERS,

CENTER LINE SECTION

FILL PARTLY REMOVED

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO.11
COBBLE MOUNTAIN RESERVOIR

SPILLWAY BRIDGE

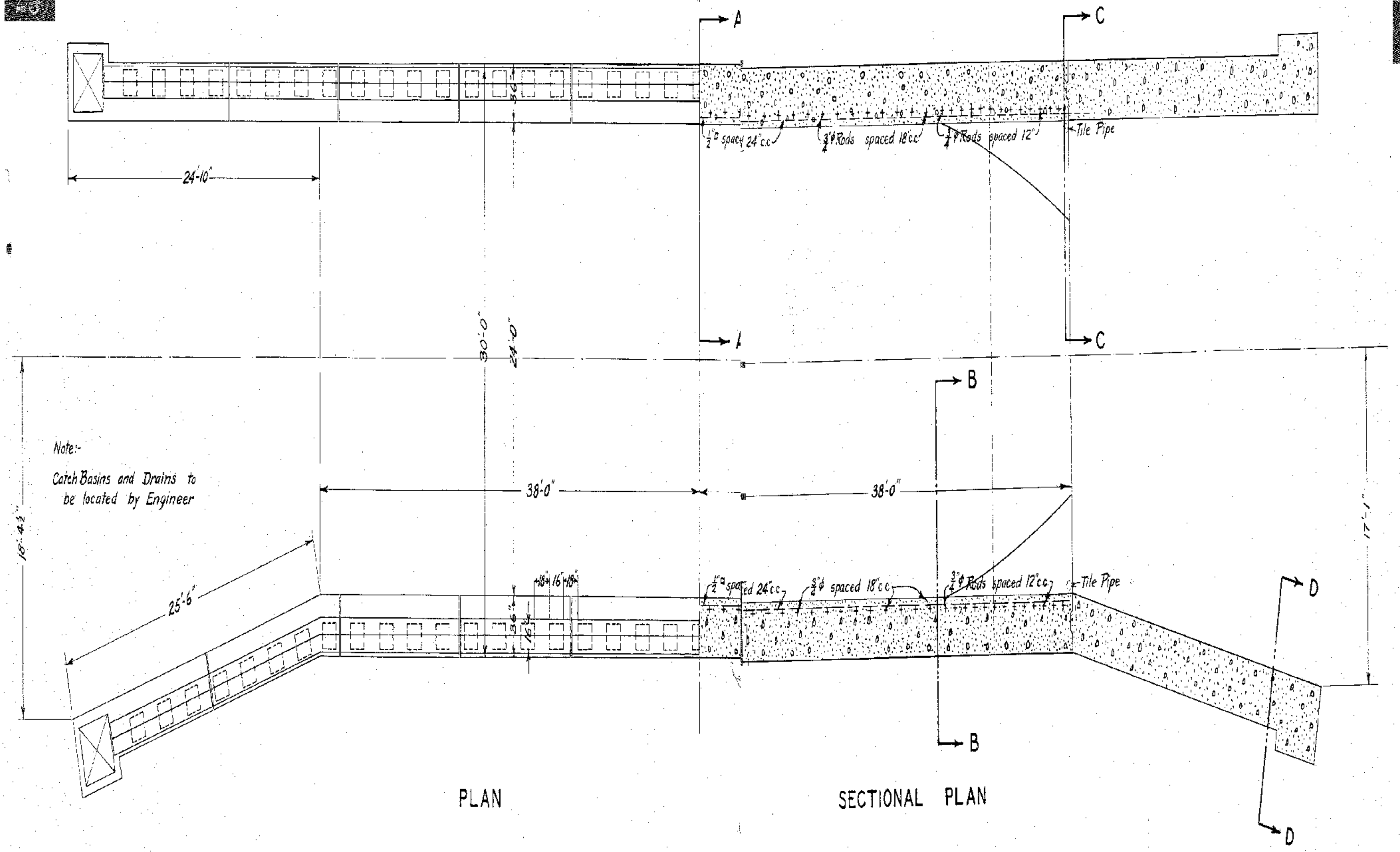
PLAN AND ELEVATION

SCALE 4 2 0 4 8 12

2895
R.Y.G.

CHIEF ENGINEER.

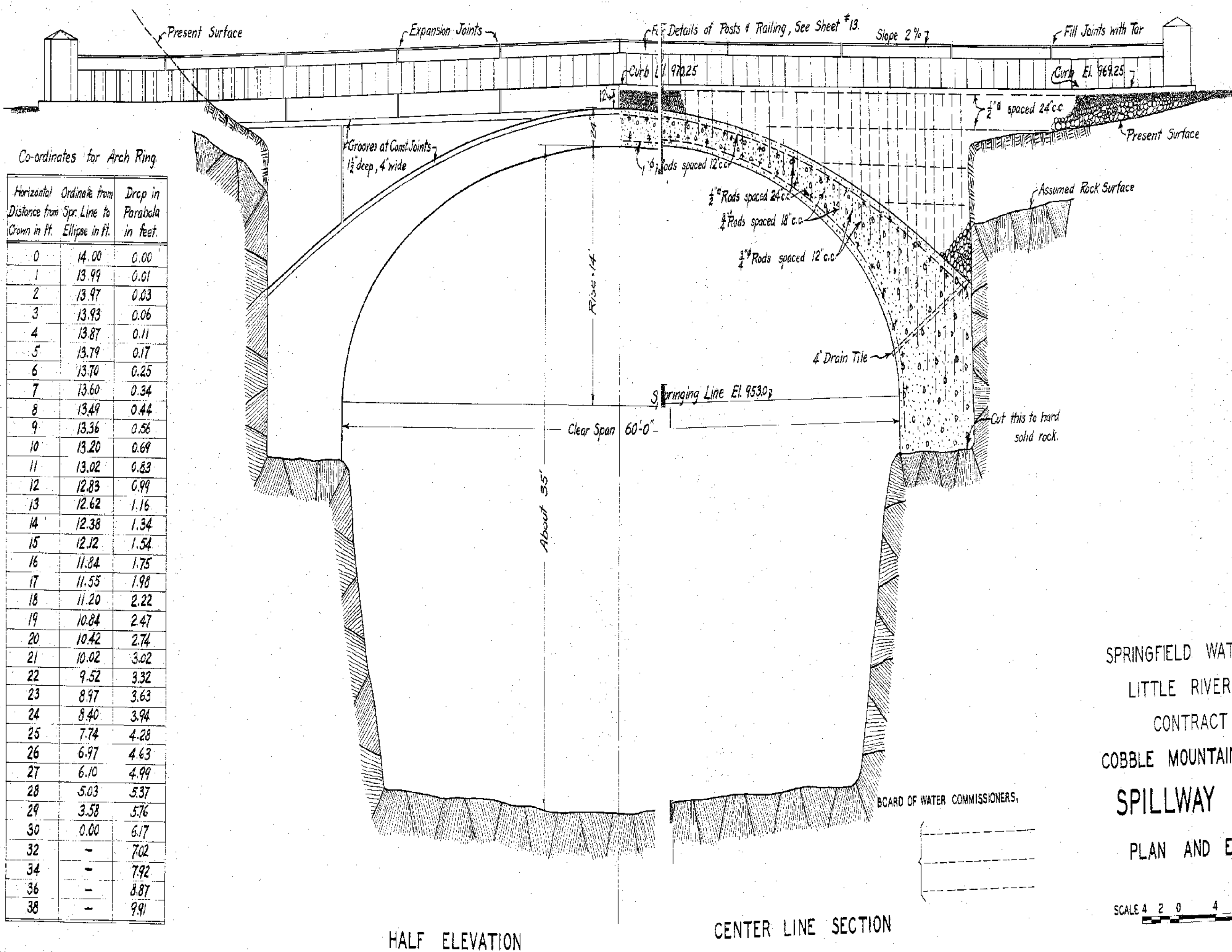
CONSULTING ENGINEER.



Note:-
Catch Basins and Drains to be located by Engineer

PLAN

SECTIONAL PLAN



Co-ordinates for Arch Ring.

Horizontal Distance from Crown in ft.	Ordinate from Spr. Line to Ellipse in ft.	Drop in Parabola in feet.
0	14.00	0.00
1	13.99	0.01
2	13.97	0.03
3	13.93	0.06
4	13.87	0.11
5	13.79	0.17
6	13.70	0.25
7	13.60	0.34
8	13.49	0.44
9	13.36	0.56
10	13.20	0.69
11	13.02	0.83
12	12.83	0.99
13	12.62	1.16
14	12.38	1.34
15	12.12	1.54
16	11.84	1.75
17	11.55	1.98
18	11.20	2.22
19	10.84	2.47
20	10.42	2.74
21	10.02	3.02
22	9.52	3.32
23	8.97	3.63
24	8.40	3.94
25	7.74	4.28
26	6.97	4.63
27	6.10	4.99
28	5.03	5.37
29	3.58	5.76
30	0.00	6.17
32	-	7.02
34	-	7.92
36	-	8.87
38	-	9.91

HALF ELEVATION

CENTER LINE SECTION

FILL PARTLY REMOVED

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO.11
COBBLE MOUNTAIN RESERVOIR

SPILLWAY BRIDGE

PLAN AND ELEVATION

SCALE 4 2 0 4 8 12

BOARD OF WATER COMMISSIONERS,

CHIEF ENGINEER.

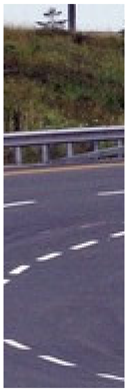
CONSULTING ENGINEER.

Hazen & Whipple
Civil Engineers
25 W. 43rd St, N.Y. City
May 7, 1928.

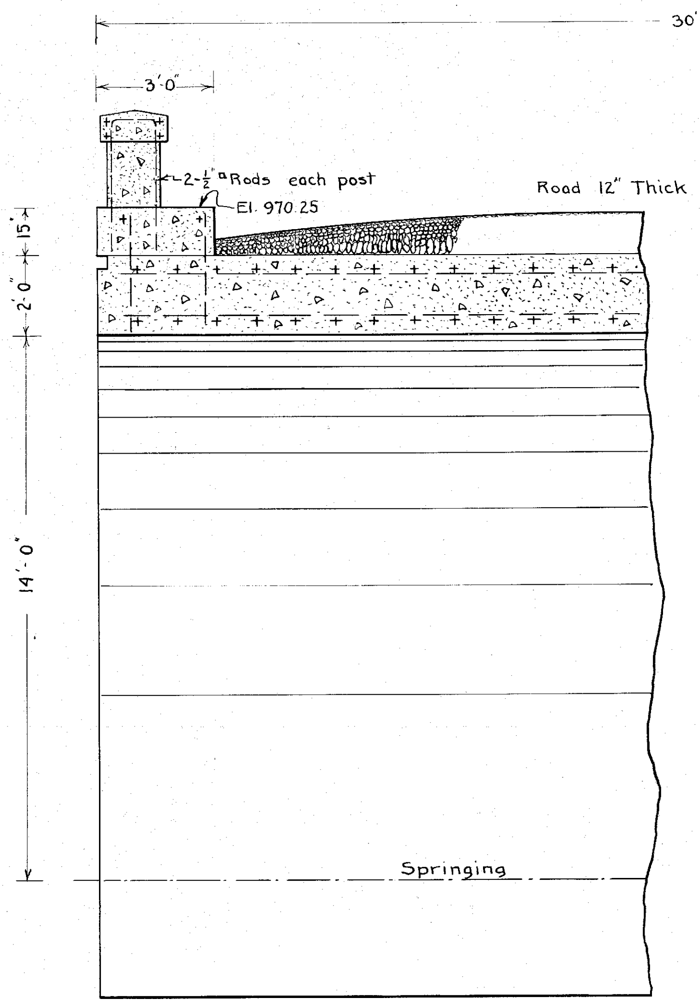
Plan Original Book and Page: **ch18025**

Name of specific Plan:

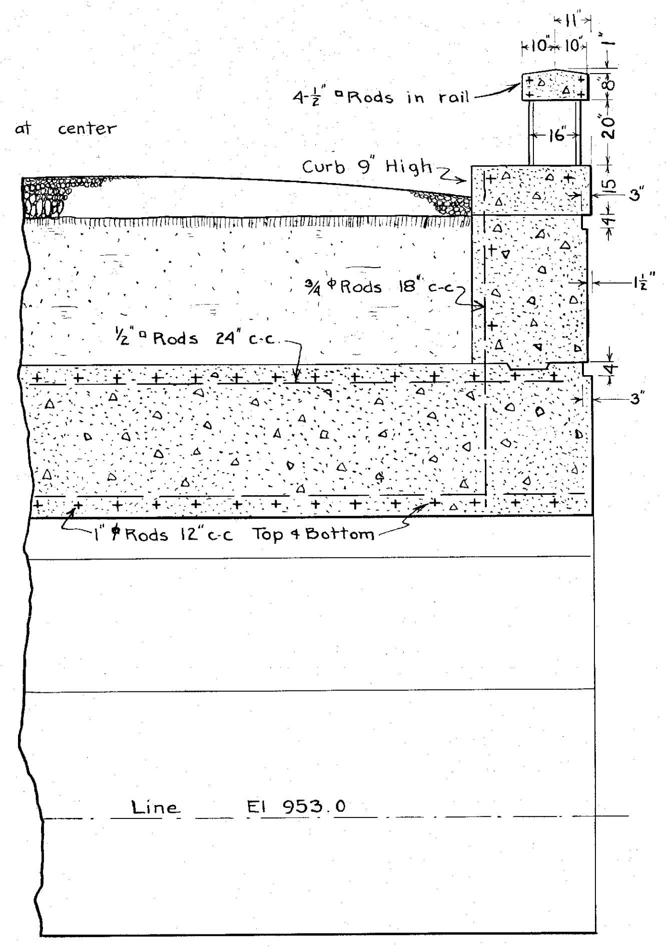
Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir- Spillway Bridge



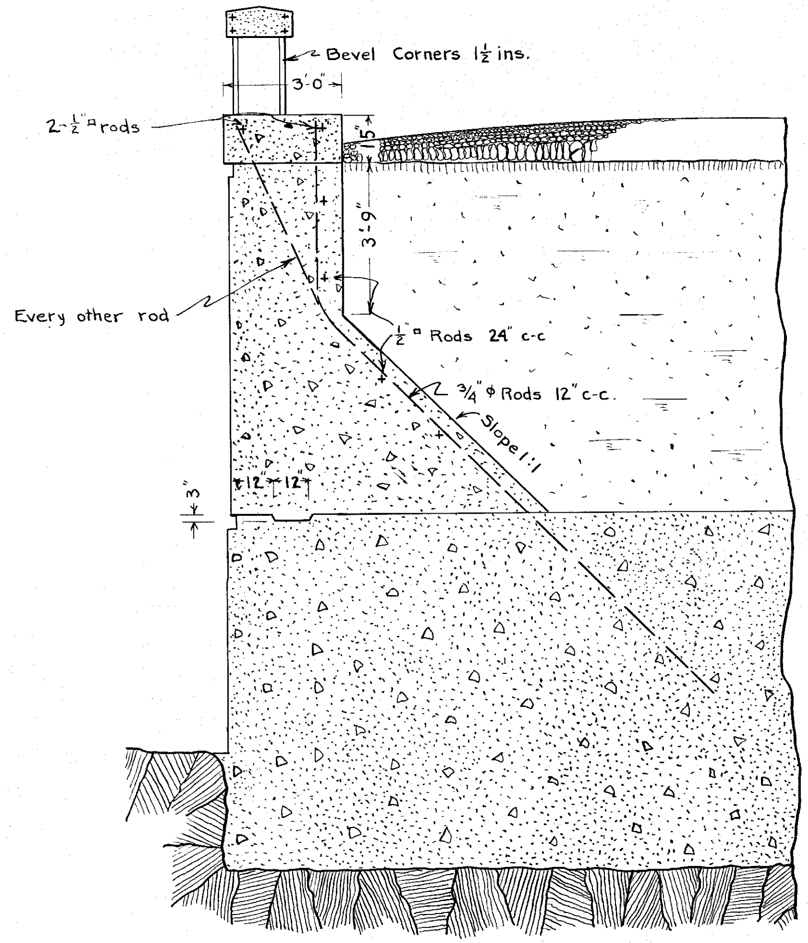
Category	Index
City/Town	**Russell**
Water	**Cobble Mountain Reservoir**



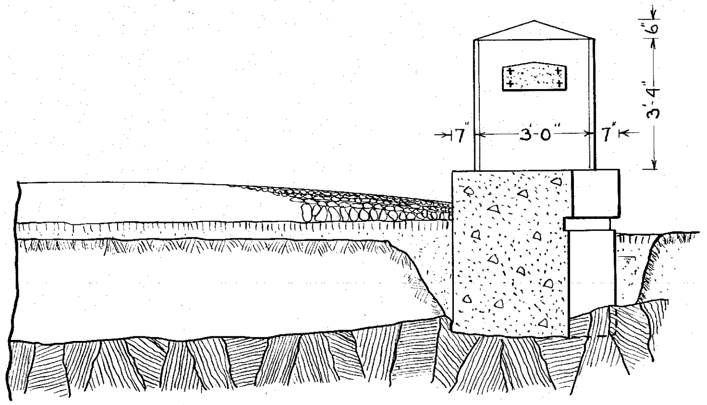
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11
COBBLE MOUNTAIN RESERVOIR

SPILLWAY BRIDGE

SECTIONS

SCALE 2 1 0 2 4 6 FEET

BOARD OF WATER COMMISSIONERS

CHIEF ENGINEER

CONSULTING ENGINEER

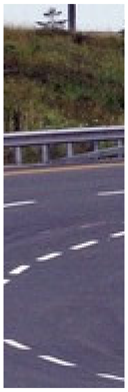
Hazen & Whipple
Civil Engineers
25 W 43rd St, N.Y. City
May 7, 1928

2896
CFR

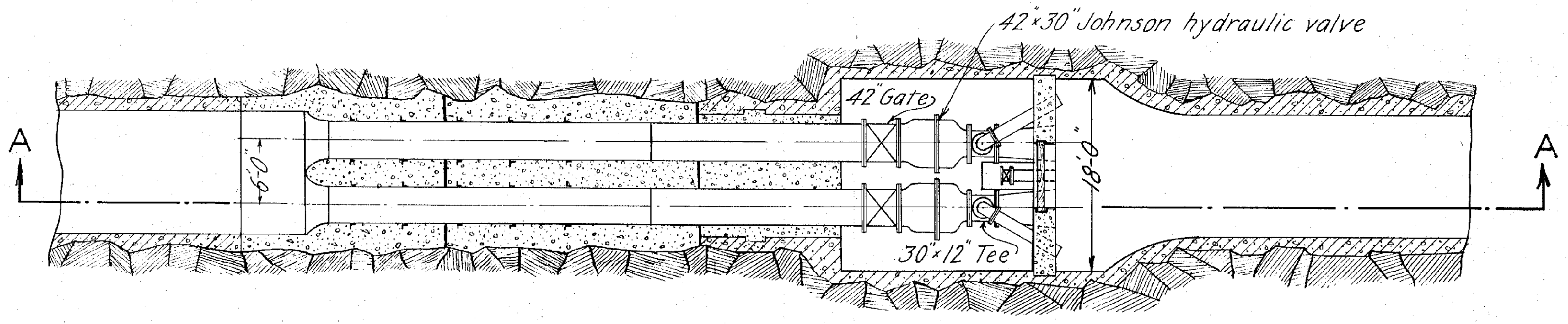
Plan Original Book and Page: **ch18027**

Name of specific Plan:

Springfield Water Works - Little River Supply - Contract No 11 - Cobble Mountain Reservoir- Closing of DiversionTunnel



Category	Index
City/Town	**Russell**
Water	**Cobble Mountain Reservoir**

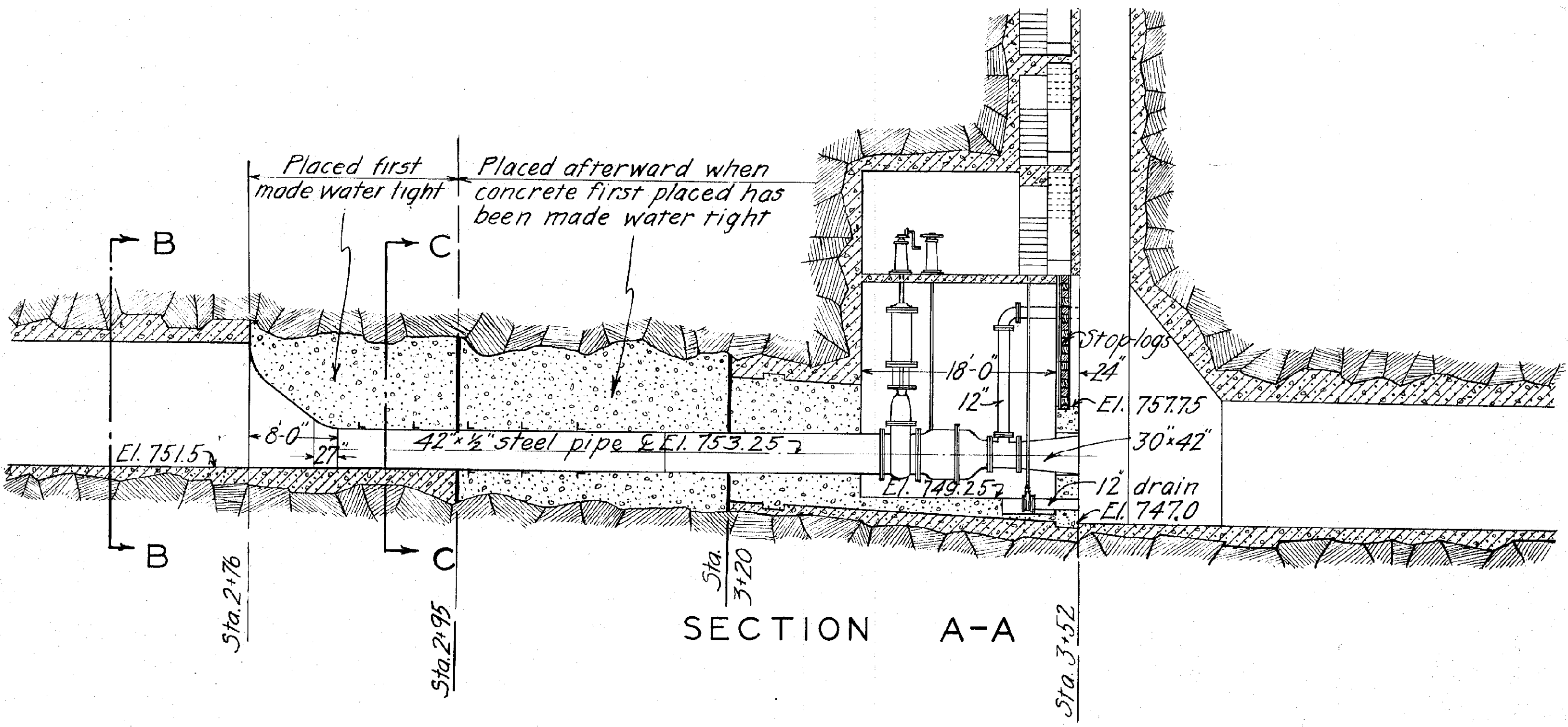


PLAN ON ℄ OF TUNNEL

LEGEND

▨ Concrete already p

▒ Concrete to be pla


Placed first made water tight
Placed afterward when concrete first placed has been made water tight
B
B
C
C
El. 751.5
8'-0"
27"
42"×½" steel pipe ℄ El. 753.25
18'-0"
12"
Stop-logs
24"
El. 757.75
30"×42"
12" drain
El. 747.0
El. 749.25
Sta. 2+76
Sta. 2+95
Sta. 3+20
Sta. 3+52

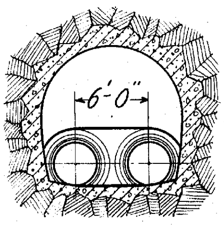
SECTION A-A

BOARD OF WATER COMMISSIONERS,

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

CHIEF ENGINEER

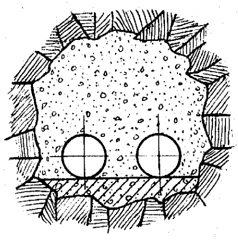
SHEET NO 14



SECTION B-B

aced under another contract.

ced under this contract.



SECTION C-C

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11
COBBLE MOUNTAIN RESERVOIR

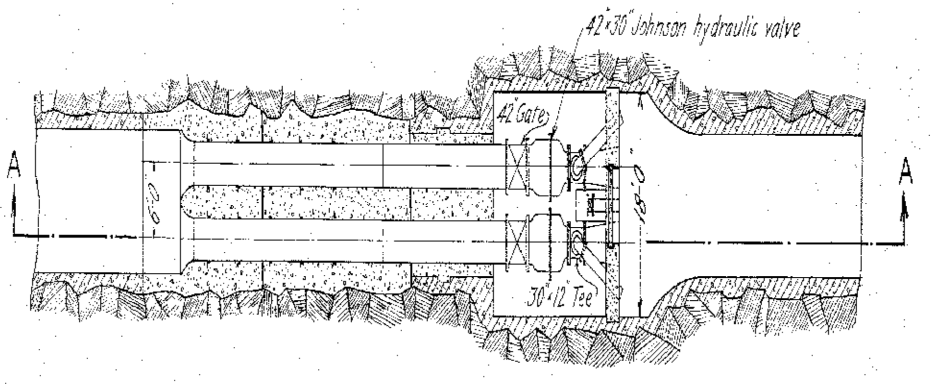
CLOSING OF DIVERSION TUNNEL

PLAN AND SECTIONS

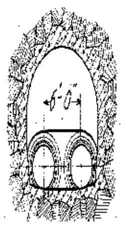
SCALE 10 0 10 20 30 FEET

CONSULTING ENGINEER

2897
JRC.



PLAN ON ℄ OF TUNNEL

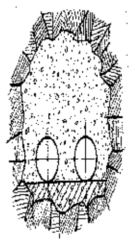


SECTION B-B

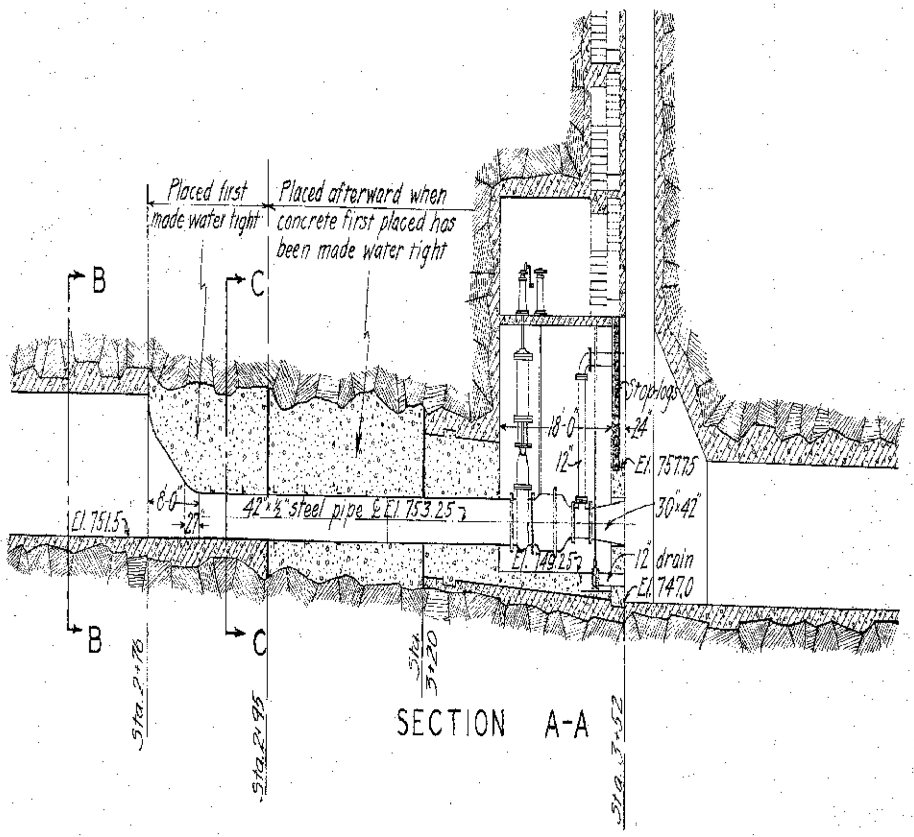
LEGEND

▨ Concrete already placed under another contract.

▨ Concrete to be placed under this contract.



SECTION C-C


Placed first made water tight
Placed afterward when concrete first placed has been made water tight
B
B
C
C
8'-0"
27"
El. 751.5
42"×½" steel pipe ℄ El. 753.25
Stop-logs
18'-0"
24"
12"
El. 757.75
30"×42"
El. 749.25
12" drain
El. 747.0
Sta. 2+76
Sta. 2+95
Sta. 3+20
Sta. 3+52

SECTION A-A

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY
CONTRACT NO 11
COBBLE MOUNTAIN RESERVOIR

CLOSING OF DIVERSION TUNNEL

PLAN AND SECTIONS

SCALE 10 0 10 20 30 FEET

BOARD OF WATER COMMISSIONERS,

Hazen & Whipple
Civil Engineers
25 W 43rd St. N.Y. City
May 7, 1928

CHIEF ENGINEER

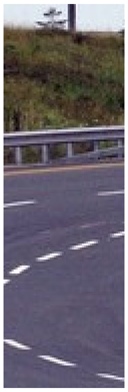
CONSULTING ENGINEER

2897 JRC.

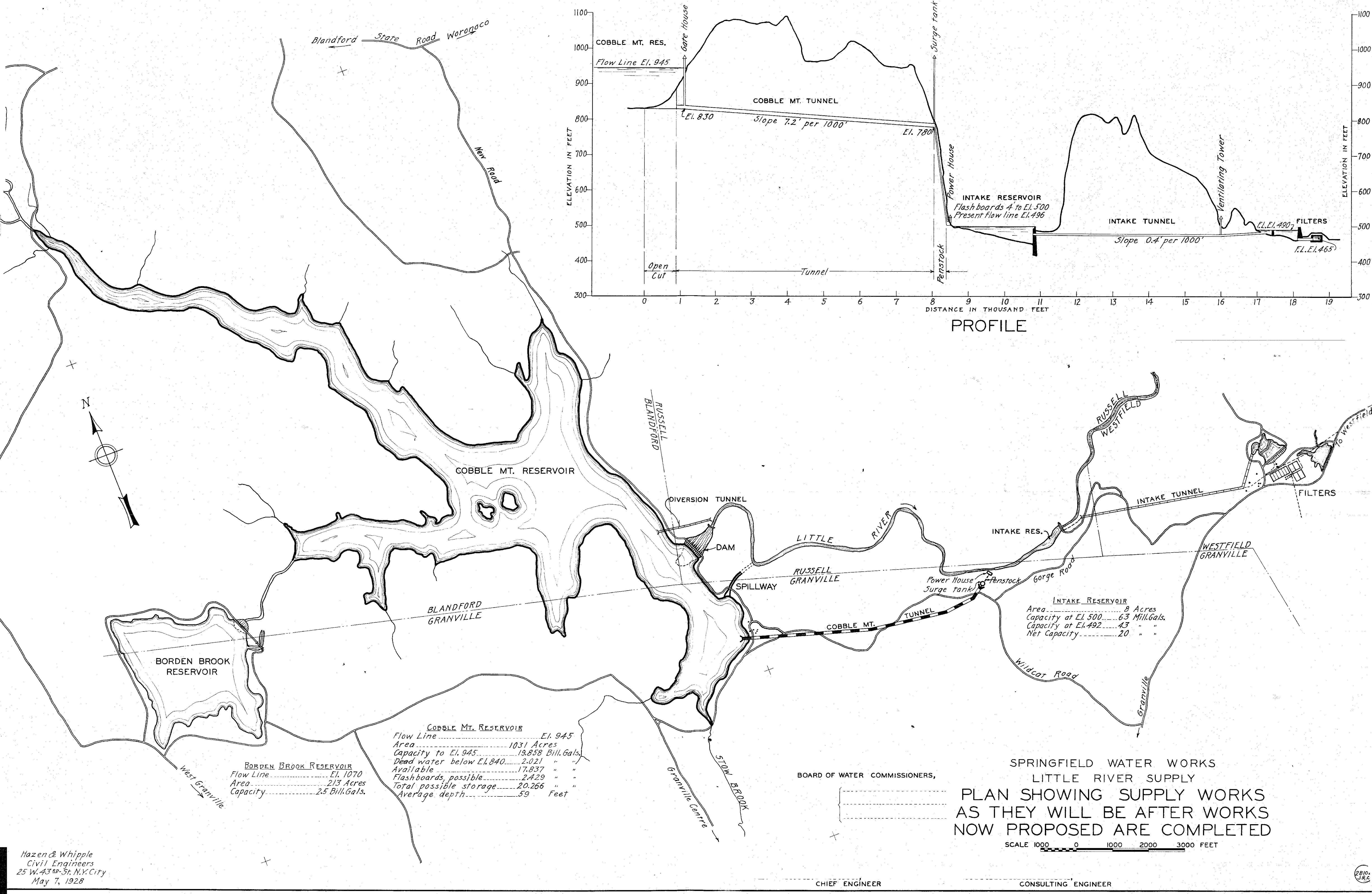
Plan Original Book and Page: **ch18029**

Name of specific Plan:

Springfield Water Works - Little River Supply - Plan Showing Supply Works as they will be after works now proposed are completed



Category	Index
Abutters	**Blandford- Granville town lin**
Abutters	**Granville - Russell town line**
Abutters	**Cobble Mountain Reservoir T**
City/Town	**Russell**
Dam	**Cobble Mountain Reservoir D**
Streets	**Blandford State Road**
Water	**Borden Brook Reservoir**
Water	**Cobble Mountain Reservoir**
Water	**Stow Brook**



Intake Reservoir

Area	8 Acres
Capacity at El. 500	63 Mill. Gals.
Capacity at El. 492	43 " "
Net Capacity	20 " "

Cobble Mt. Reservoir

Flow Line	El. 945
Area	1031 Acres
Capacity to El. 945	19.858 Bill. Gals.
Dead water below El. 840	2.021 " "
Available	17.837 " "
Flashboards, possible	2.429 " "
Total possible storage	20.266 " "
Average depth	59 Feet

Borden Brook Reservoir

Flow Line	El. 1070
Area	213 Acres
Capacity	2.5 Bill. Gals.

BOARD OF WATER COMMISSIONERS,

SPRINGFIELD WATER WORKS
LITTLE RIVER SUPPLY

PLAN SHOWING SUPPLY WORKS AS THEY WILL BE AFTER WORKS NOW PROPOSED ARE COMPLETED

CHIEF ENGINEER

CONSULTING ENGINEER

Hazen & Whipple
Civil Engineers
25 W. 43rd St. N.Y. City
May 7, 1928

28104
J.R.C.

Description of Plan Group:

Bridge over Boston & Maine Railroad (B&M RR) at Grattan Street

Date of Plan: **1928**

Date Plan Approved: **1928**

Highway Book #: **ch18**

Highway Page #: **031**

Commissioners Reference Book #: **19**

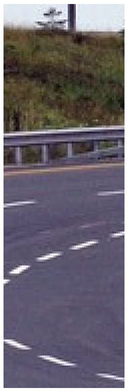
Commissioners Reference Page #: **153**

Public Notes:

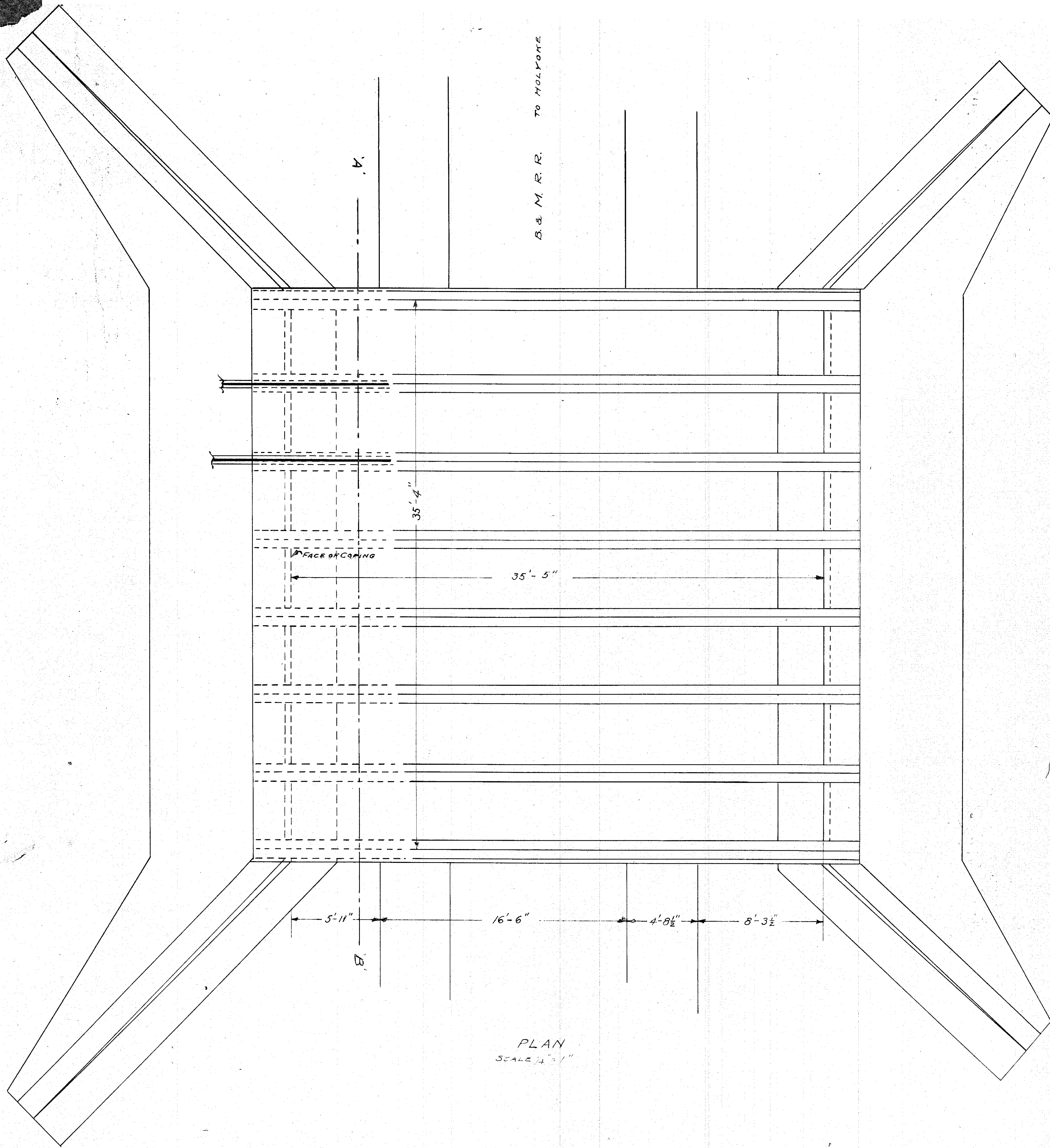
Plan Original Book and Page: **ch18031**

Name of specific Plan:

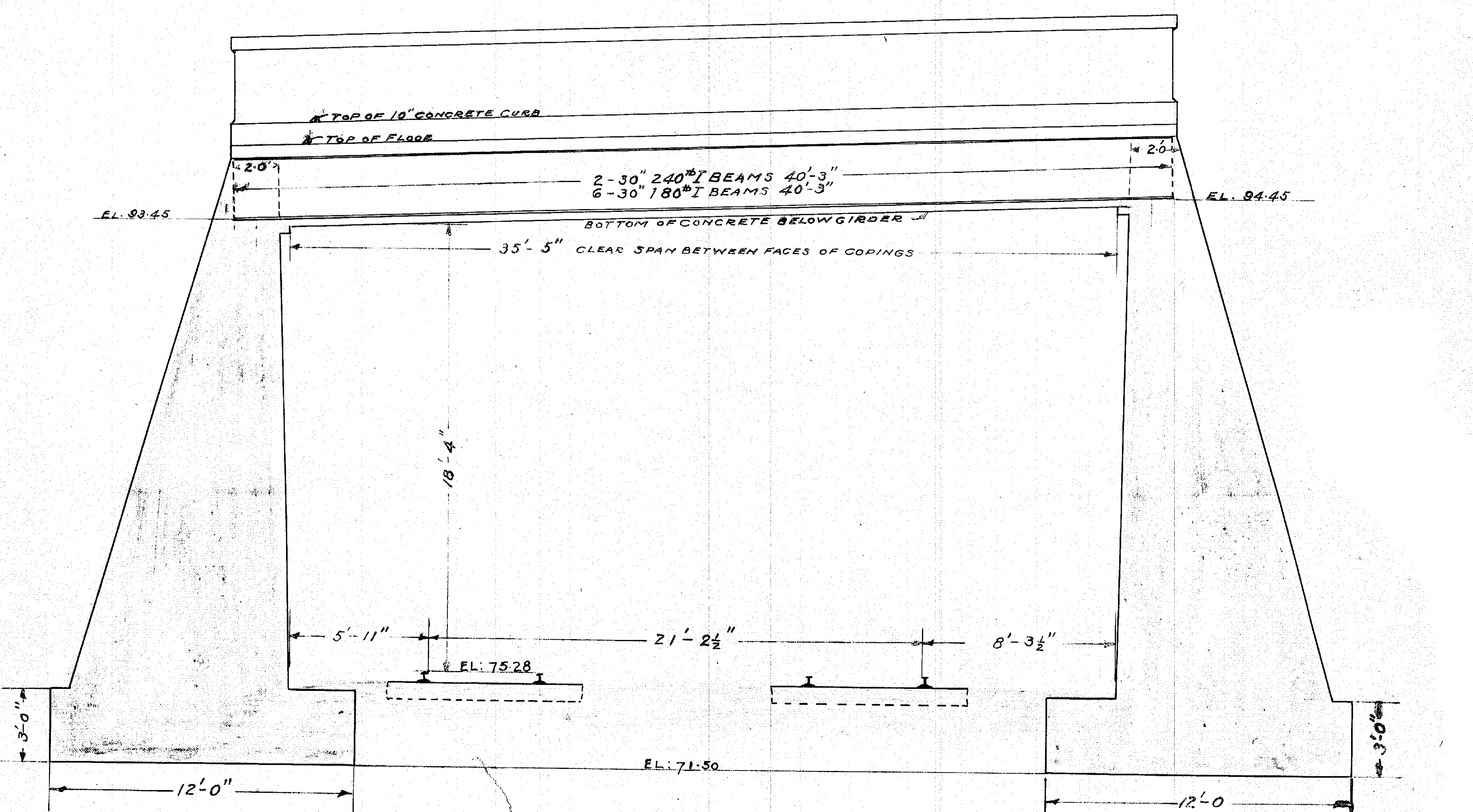
Bridge over Boston & Maine Railroad (B&M RR) at Grattan Street



Category	**Index**
Abutters	**Chicopee City**
Bridges	**Grattan Street Bridge**
City/Town	**Chicopee**
Railroads	**Boston & Maine Railroad**
Streets	**Grattan Street**



PLAN
SCALE ¼"=1"

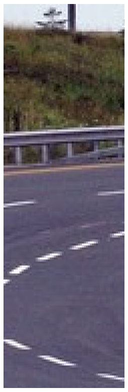


SOUTH ELEVATION SCALE ¼"=1"

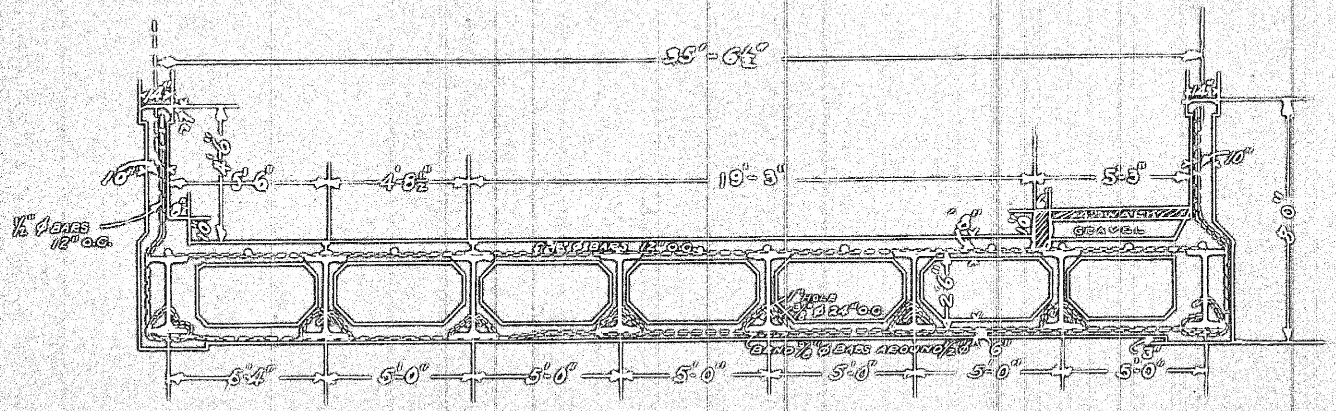
Plan Original Book and Page: **ch18032**

Name of specific Plan:

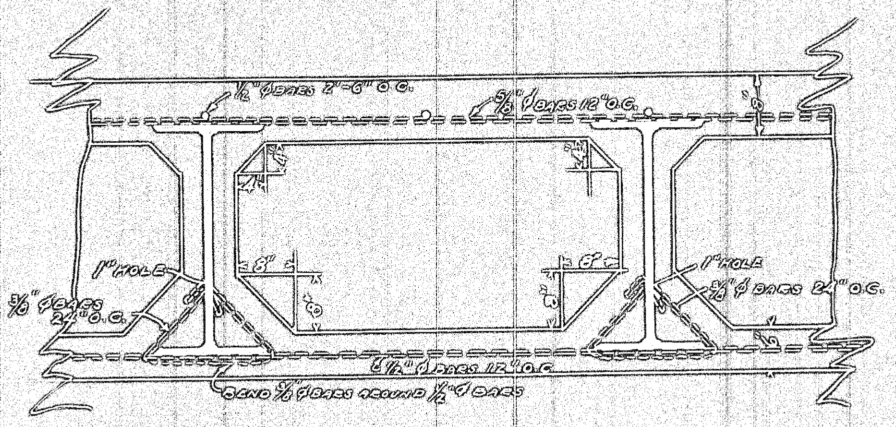
Plan of Road in the City of Chicopee, Mass



Category	Index
Abutters	**Bircham Bend Power Compan**
Bridges	**Grattan Street Bridge**
City/Town	**Chicopee**
Person	**Kowalski, Stanislawa**
Person	**Kupka, Mary**
Railroads	**Boston & Albany Railroad**
Streets	**Grattan Street**



CROSS SECTION A-B
SCALE ¼" = 1'



TYPICAL SECTION BETWEEN I BEAMS
SCALE ¾" = 1'

Commonwealth of Massachusetts
Hampden, ss:
Filed, February 7, 1928.
Attest:
Charles M. Calhoun Clerk.

Superseded.

PROPOSED CONCRETE BRIDGE
OVER B.&M.R.R. AT GRATTAN ST.
CITY OF CHICOPEE, MASS.

See County Commissioners Book 19 Page 153

F. R. COBB CITY ENGINEER. JULY, 1927

Description of Plan Group:

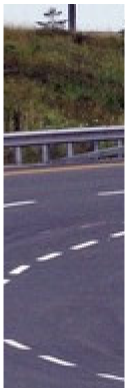
North Road and Pond Road (Apremont Way) Holyoke line to Southampton Road

Date of Plan:	**1929**
Date Plan Approved:	**1929**
Highway Book #:	**ch18**
Highway Page #:	**033**
Commissioners Reference Book #:	**19**
Commissioners Reference Page #:	**171**

Public Notes:

Plan Original Book and Page: **ch18033**

Name of specific Plan:



Old Northampton Road Bridge at New York, New Haven & Hartford Railroad Company (NY, NH & H Railroad) crossing

Category	Index
City/Town	**Westfield**
Person	**Griffin**
Person	**Clayton**
Person	**Lorenz**
Person	**Curran**
Streets	**North Road**
Streets	**Pond Road**

SHEET OF 15 SHEETS

WESTFIELD
NORTH ROAD & POND ROAD

THE COMMONWEALTH OF MASSACHUSETTS

PLAN OF ROAD
IN THE CITY OF
WESTFIELD
HAMPDEN COUNTY
LAID OUT BY THE
COUNTY COMMISSIONERS
SCALE: 40 FEET TO THE INCH

See County Commissioners
Book 19 Page 171

Commonwealth of Massachusetts
Hampden, ss: October 30, 1929

on the petition of the mayor of the City of Westfield for laying out, relocation, alteration, widening and specific repairs on highway known as Pond Road and North Road in Westfield. This plan is filed with the location report and made a part thereof.

John G. Mansfield
Charles N. Bixby
Edward J. Stapleton
County Commissioners

See County Comm'rs Record
Book Page

NO GUARD RAIL

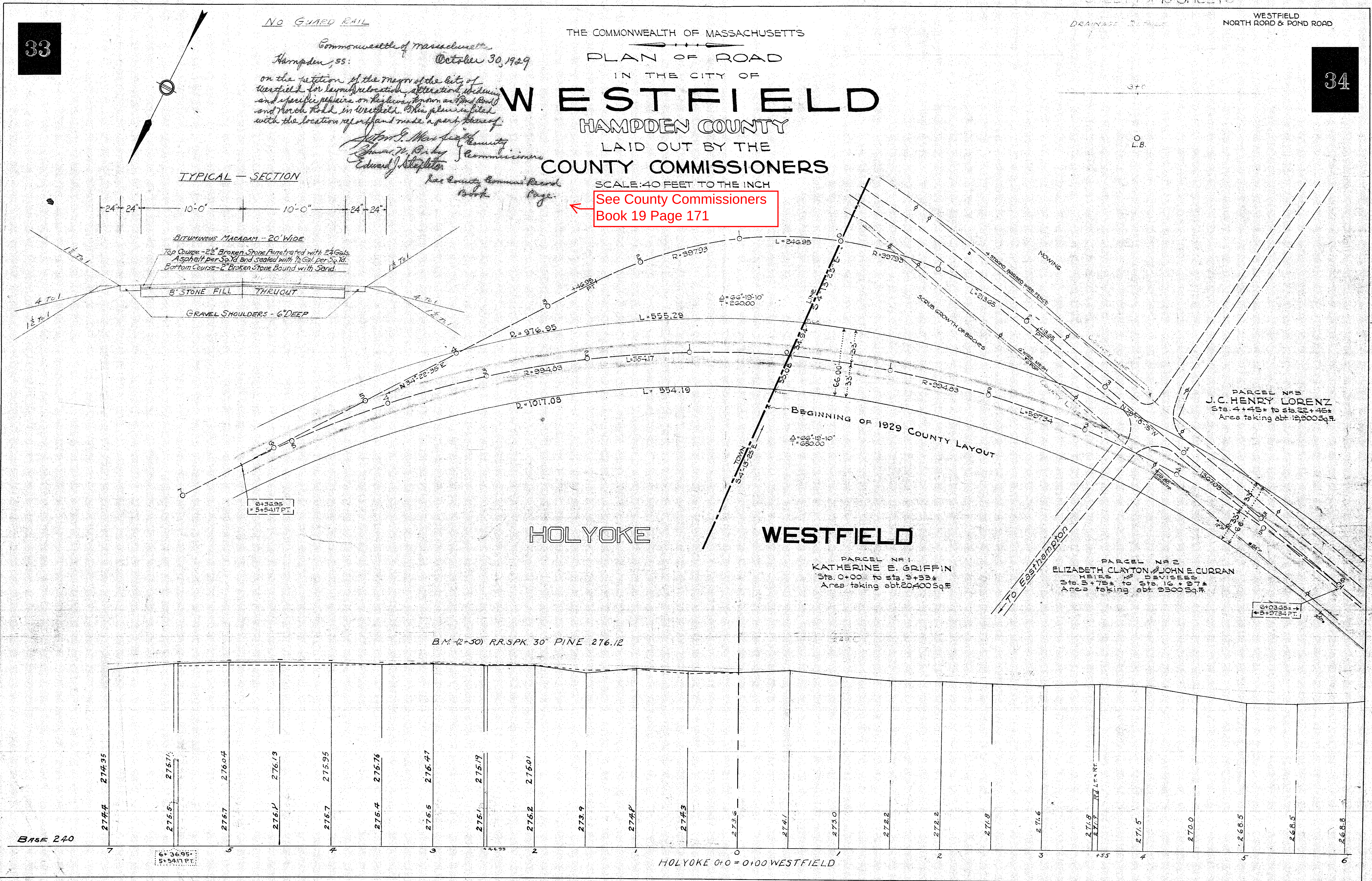
TYPICAL — SECTION

BITUMINOUS MACADAM - 20' WIDE

Top Course - 2½" Broken Stone Penetrated with 2¼ Gals. Asphalt per Sq. Yd. and sealed with ½ Gal. per Sq. Yd.
Bottom Course - 2" Broken Stone Bound with Sand.

8" STONE FILL THRUOUT

GRAVEL SHOULDERS - 6" DEEP

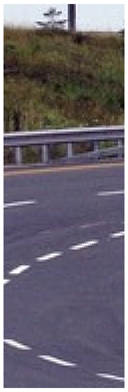


SCALES { HOR. 1 IN. = 40 FT. TRACED FROM PLAN NO. 300F BY W.F. BAKER APRIL 17, 1929
VERT. 1 IN. = 8 FT. TRACED FROM PROFILE NO. 434 L BY

Plan Original Book and Page: **ch18035**

Name of specific Plan:

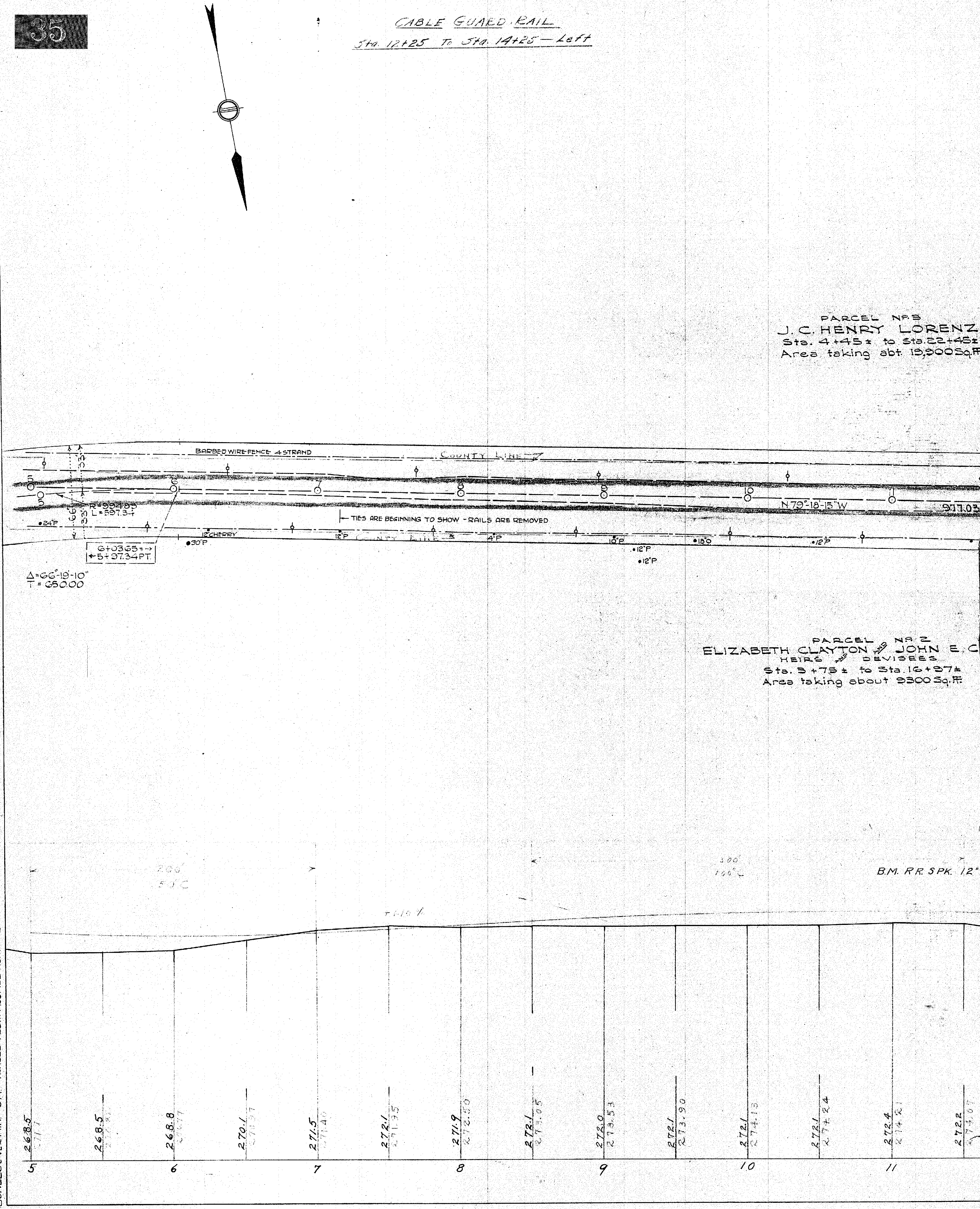
Plan of Road in the City of Westfield, Mass



Category	Index
City/Town	**Westfield**
Person	**Lorenz**
Person	**Clayton**
Person	**Curran**

CABLE GUARD RAIL

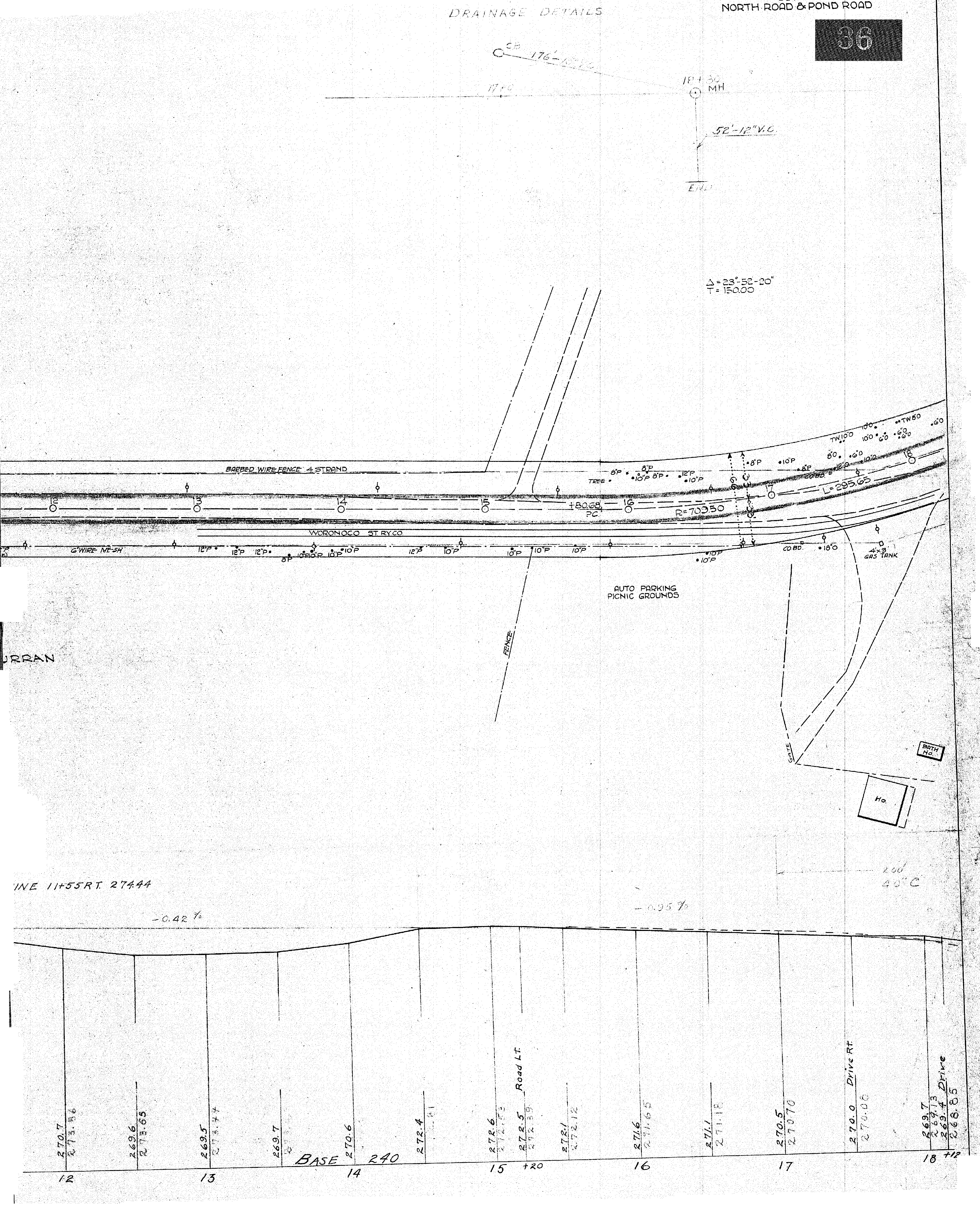
Sta. 12+25 To Sta. 14+25 — Left

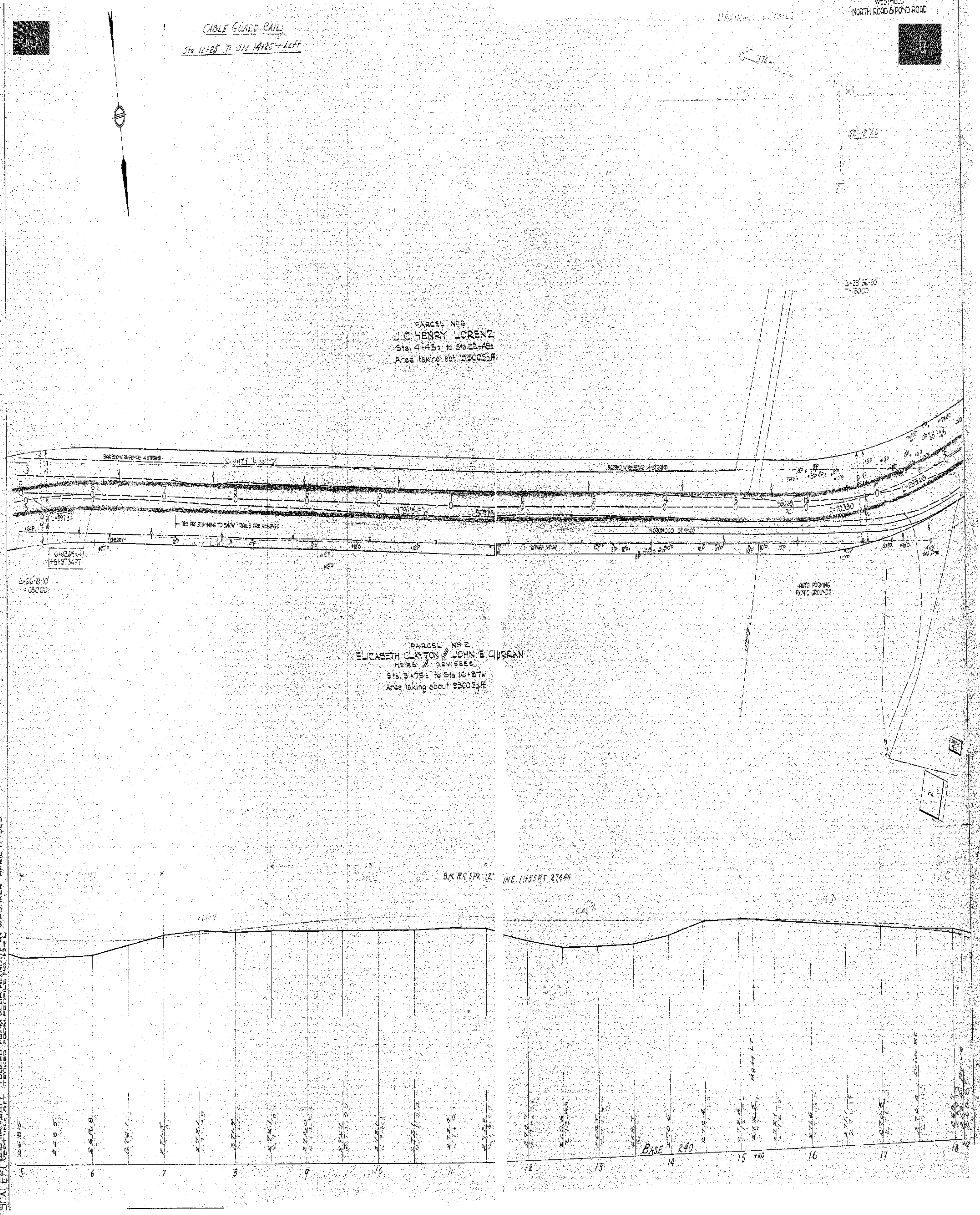


SCALES { HOR. 1 IN. = 40 FT. VERT. 1 IN. = 8 FT. TRACED FROM PLAN NO. 300 F BY W.F. BAKER APRIL 17, 1929 TRACED FROM PROFILE NO. 434 L

WESTFIELD
NORTH ROAD & POND ROAD

36

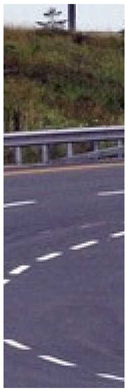



35
CABLE GUARD RAIL
Sta 12+25 To Sta 14+25 - Left
WESTFIELD
NORTH ROAD & POND ROAD
36
52-12 V.C.
Δ=23°50'20"
PARCEL Nº 3
J. C. HENRY LORENZ
Sta. 4+45± to Sta. 22+46±
Area taking abt 19,800 Sq.Ft.
BARBED WIRE FENCE 4 STRAND
COUNTY L. NO. 2
TIES ARE BEGINNING TO SHOW - RAILS ARE REMOVED
N79°18'E W
917.03
G+03.55
+5+97.34 PT
Δ=66°19'10"
T=650.00
L=597.34
WIRE MESH
WORONOCO ST. RY. CO
16+08 PC
R=1003.50
L=295.65
TREE
AUTO PARKING
PICNIC GROUNDS
4x3 GAS TANK
PARCEL Nº 2
ELIZABETH CLAYTON & JOHN E. CURRAN
HEIRS & DEVISEES
Sta. 3+73± to Sta. 14+87±
Area taking about 2300 Sq.Ft.
B.M. R.R. SPK. 12" in E 11+55 RT 274.44
BASE 240
Road LT
Drive RT
5
6
7
8
9
10
11
12
13
14
15
16
17
18
SCALES: HOR. 1 IN. = 40 FT. VERT. 1 IN. = 8 FT.
TRACED FROM PLAN NO. 3301 BY W. BAKER APRIL 17, 1929
TRACED FROM PROFILE NO. 1341

Plan Original Book and Page: **ch18037**

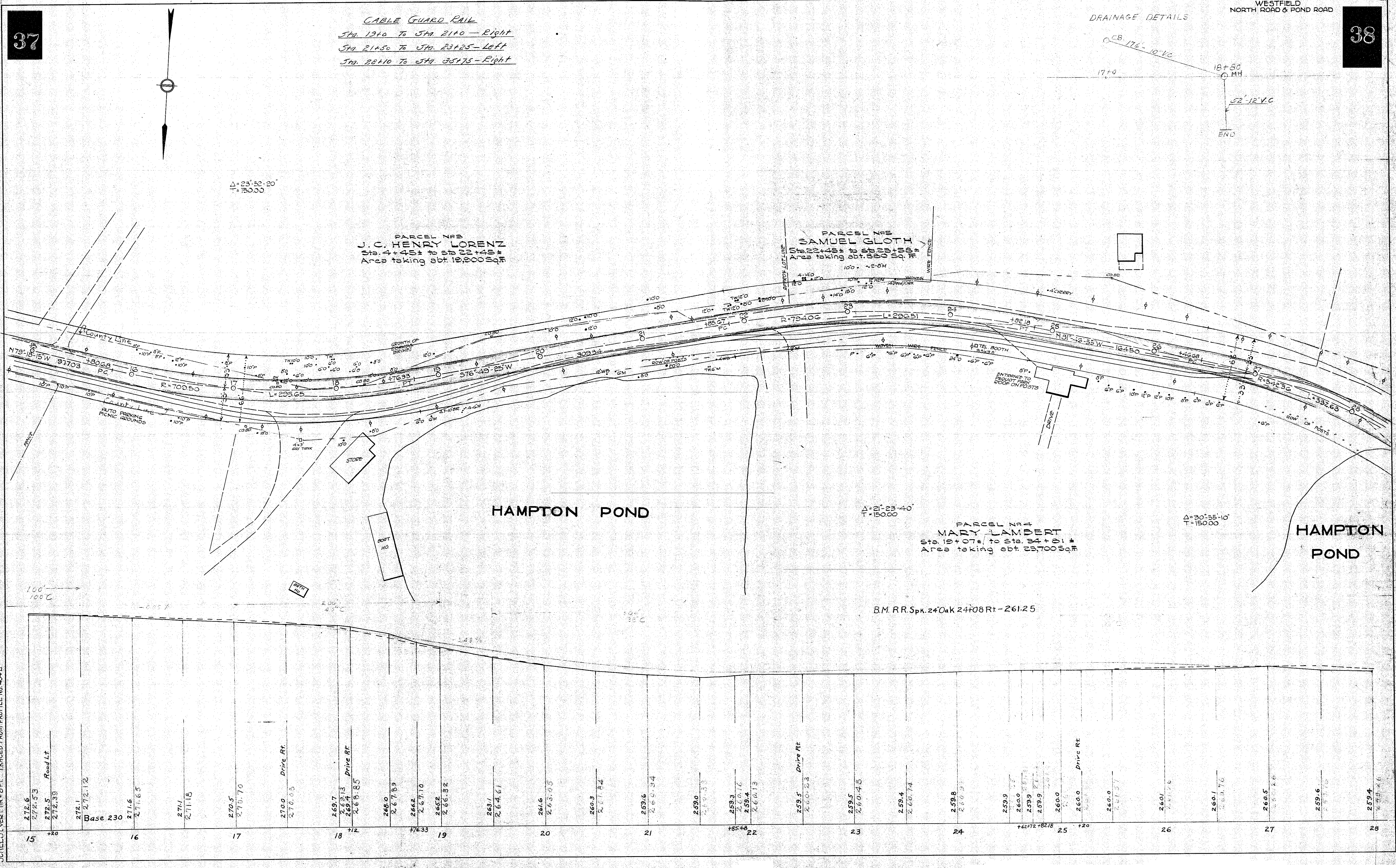
Name of specific Plan:

Plan of Road in the City of Westfield, Mass



Category	Index
City/Town	**Westfield**
Person	**Lorenz**
Person	**Gloth**
Person	**Lambert**
Water	**Hampton Pond**

WESTFIELD
NORTH ROAD & POND ROAD

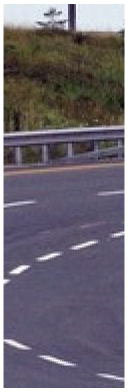


SCALES { HOR. 1 IN.=40 FT. TRACED FROM PLAN NO. 300 F BY W.F. BAKER APRIL 18, 1929
VERT. 1 IN.=8 FT. TRACED FROM PROFILE NO. 434 L

Plan Original Book and Page: **ch18039**

Name of specific Plan:

Plan of Road in the City of Westfield, Mass

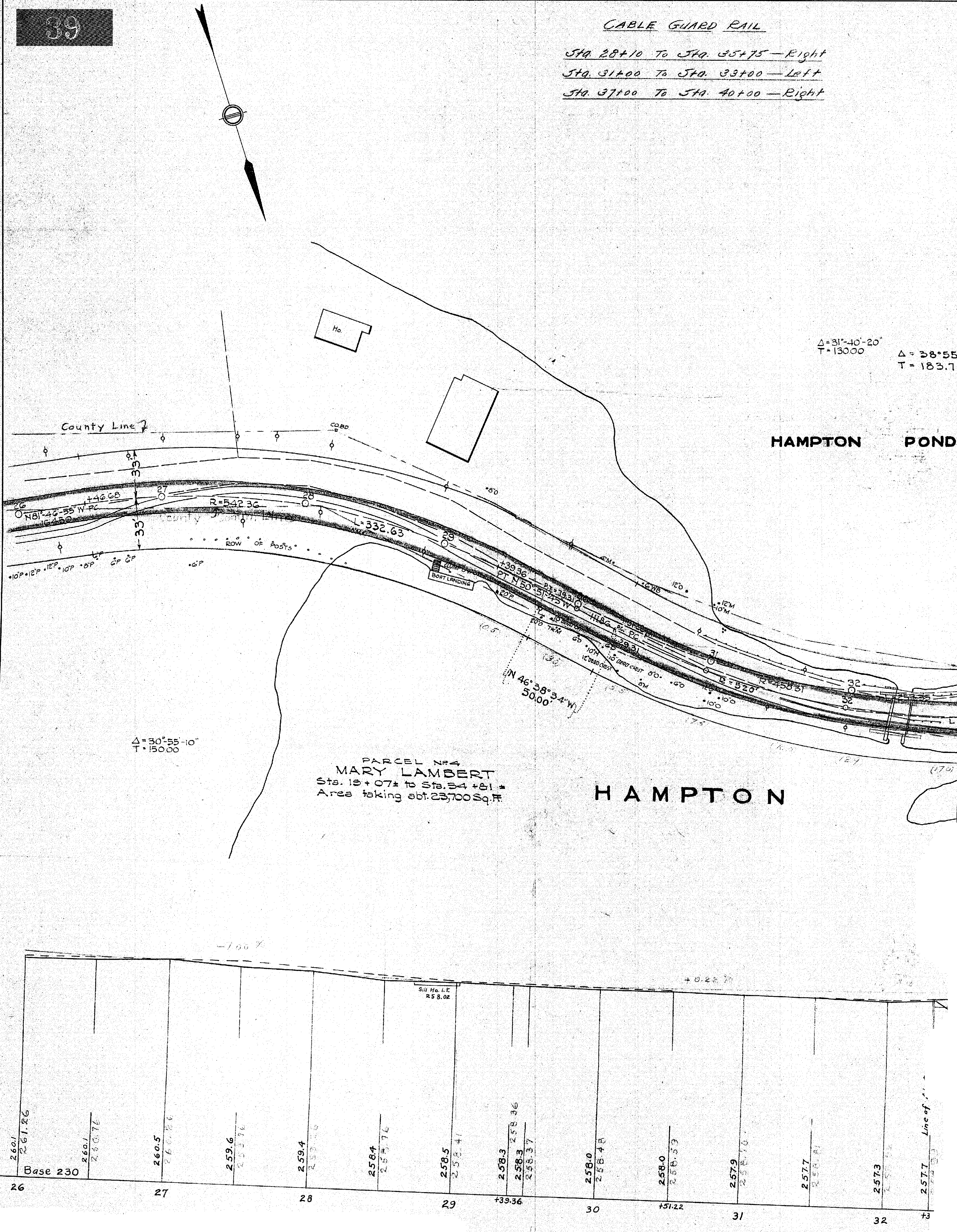


Category	Index
City/Town	**Westfield**
Person	**Lambert**
Person	**Erstein**
Person	**Garceau**
Person	**Delessio**
Water	**Hampton Pond**

39

CABLE GUARD RAIL

Sta. 28+10 To Sta. 35+75 — Right
Sta. 31+00 To Sta. 33+00 — Left
Sta. 37+00 To Sta. 40+00 — Right



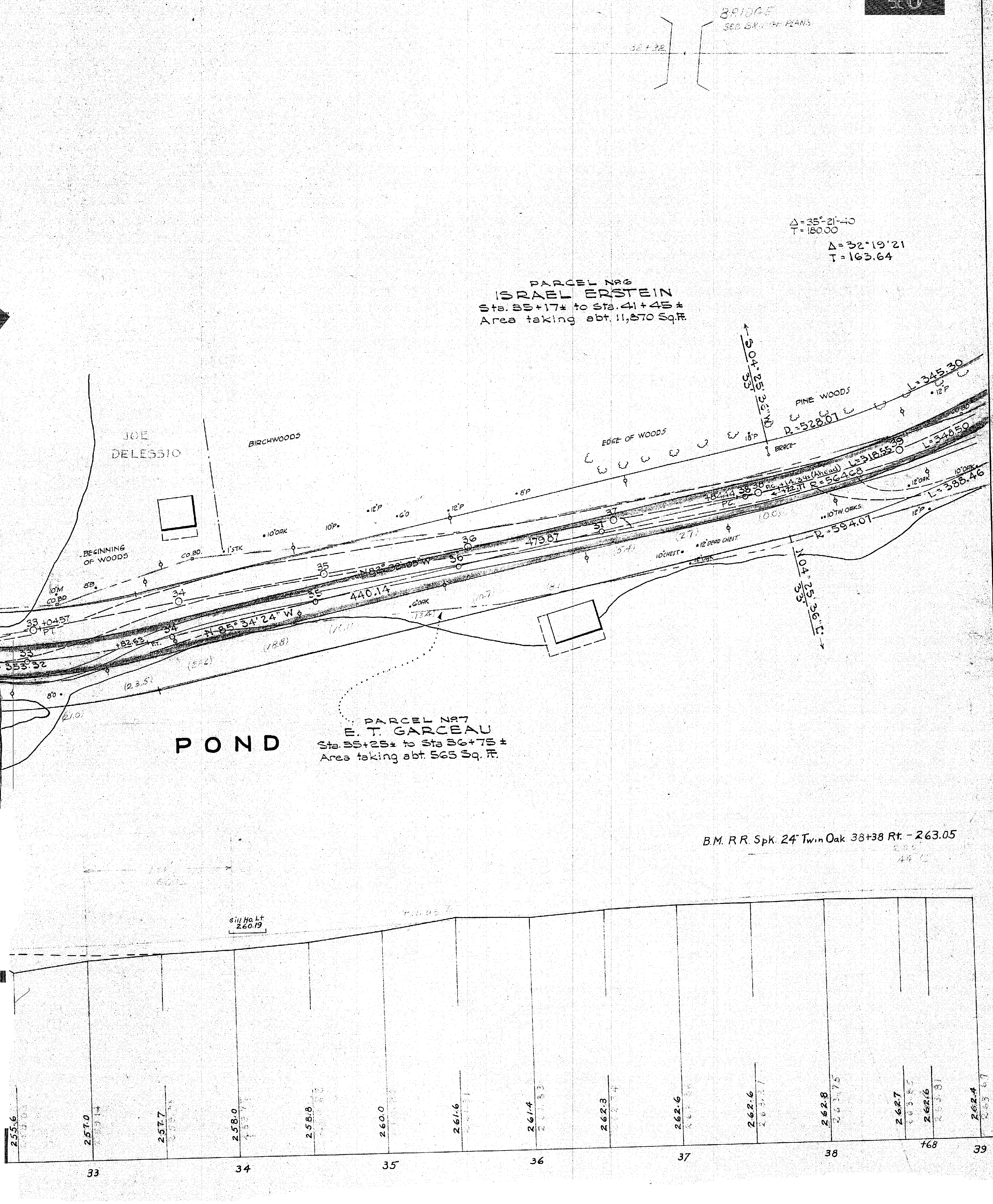
SCALES{ HOR. 1IN. = 40FT. VERT. 1IN. = 8 FT.

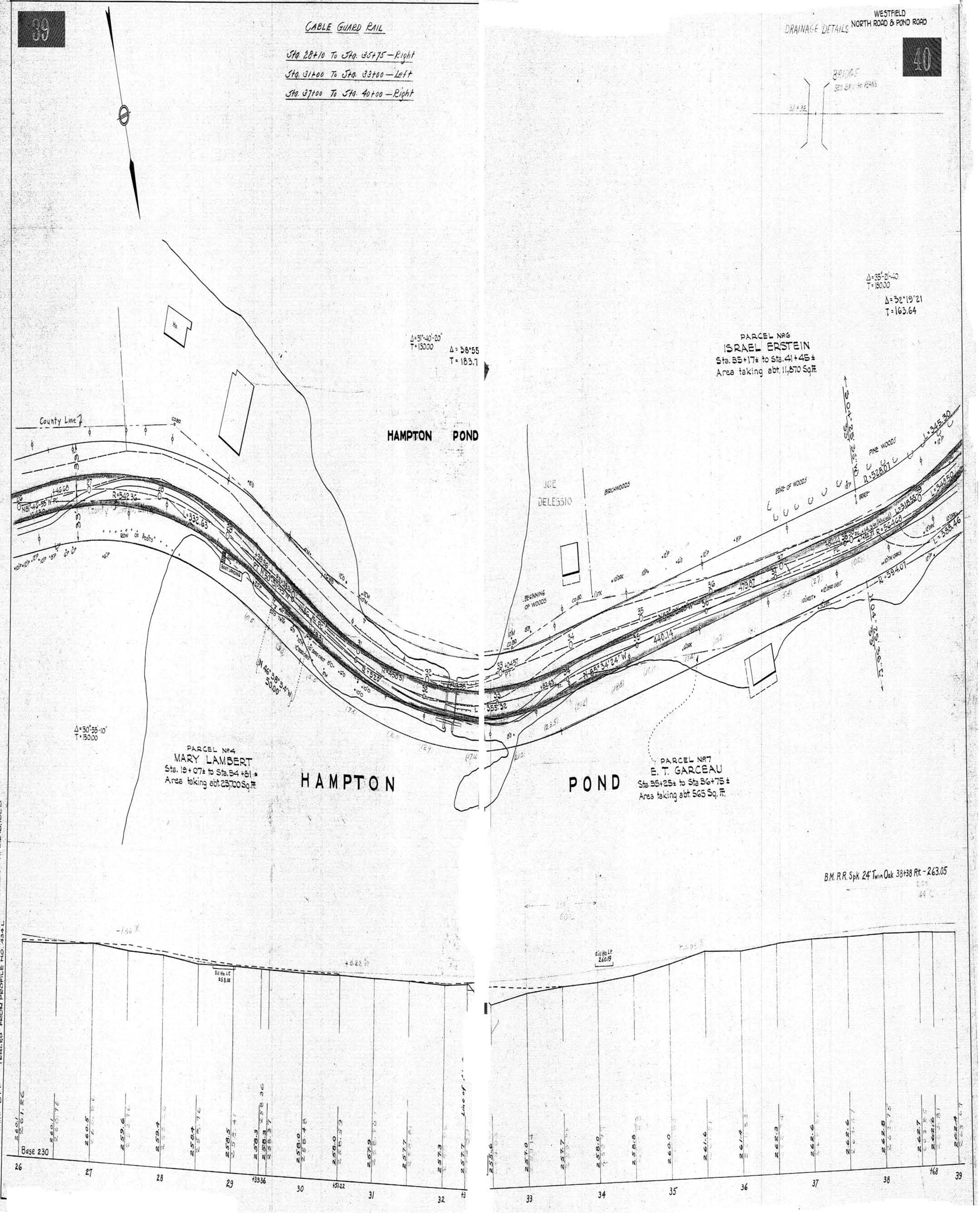
TRACED FROM PLAN NO. 300F BY W.F.BAKER APRIL 18,1929
TRACED FROM PROFILE NO. 434 L

DRAINAGE DETAILS

WESTFIELD
NORTH ROAD & POND ROAD

40





CABLE GUARD RAIL

Sta. 28+10 To Sta. 35+75 — Right

Sta. 31+00 To Sta. 33+00 — Left

Sta. 37+00 To Sta. 40+00 — Right

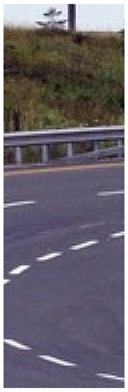
SCALES { HOR. 1 IN. = 40 FT. / VERT. 1 IN. = 8 FT.

TRACED FROM PLAN NO. 300F BY W.F. BAKER APRIL 18, 1929
TRACED FROM PROFILE NO. 434 L

Plan Original Book and Page: **ch18041**

Name of specific Plan:

Plan of Road in the City of Westfield, Mass

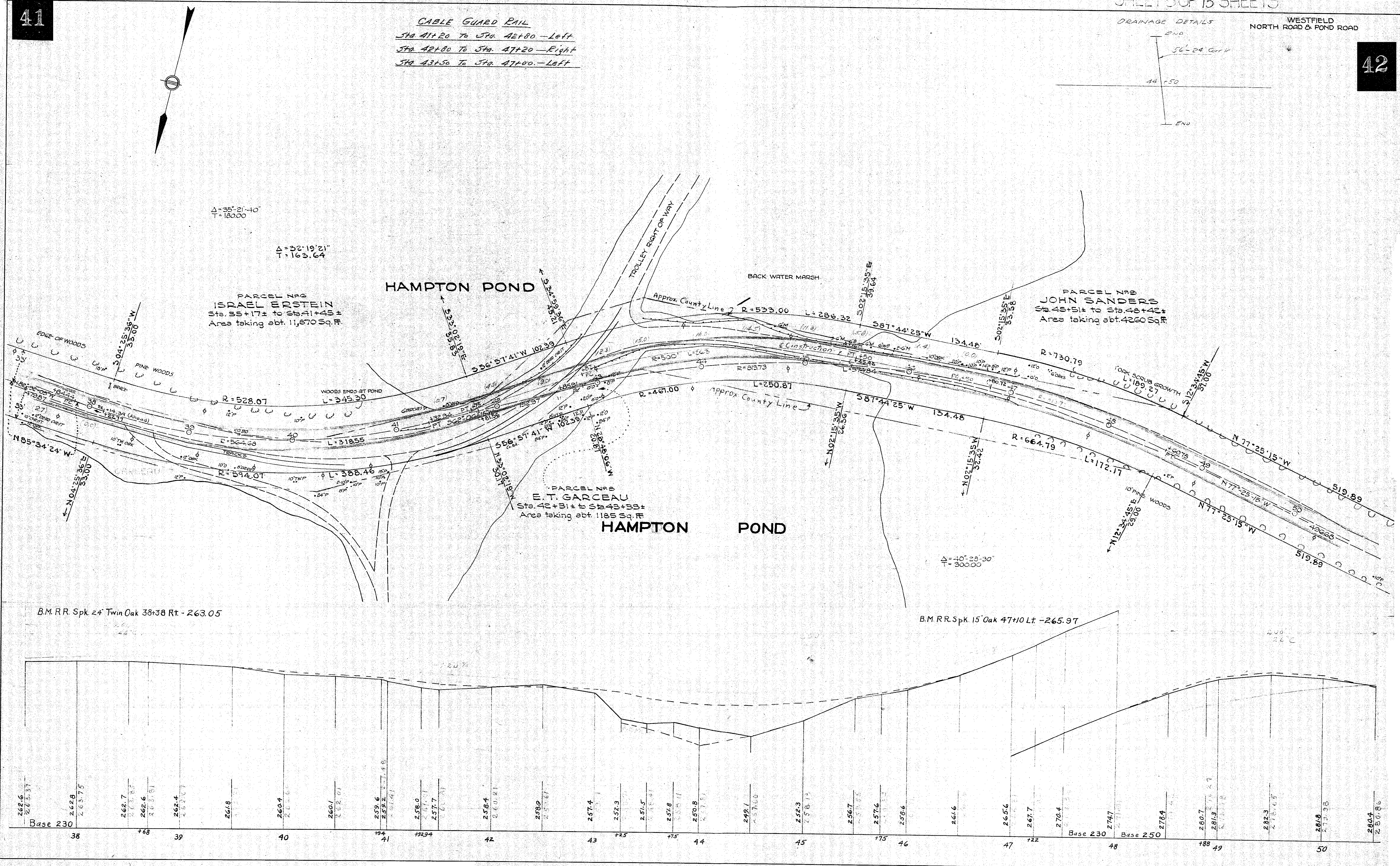


Category	Index
City/Town	**Westfield**
Person	**Erstein**
Person	**Garceau**
Person	**Sanders**
Water	**Hampton Pond**

SHEET 5 OF 15 SHEETS

WESTFIELD
NORTH ROAD & POND ROAD

CABLE GUARD RAIL
Sta. 41+20 To Sta. 42+80 – Left
Sta. 42+80 To Sta. 47+20 – Right
Sta. 43+50 To Sta. 47+00. – Left

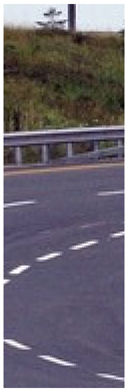


SCALES { HOR. 1 IN. = 40 FT.
VERT. 1 IN. = 8 FT.
TRACED FROM PLAN NO. 300 F BY W. F. BAKER APRIL 18, 1929
TRACED FROM PROFILE NO. 434 L BY

Plan Original Book and Page: **ch18043**

Name of specific Plan:

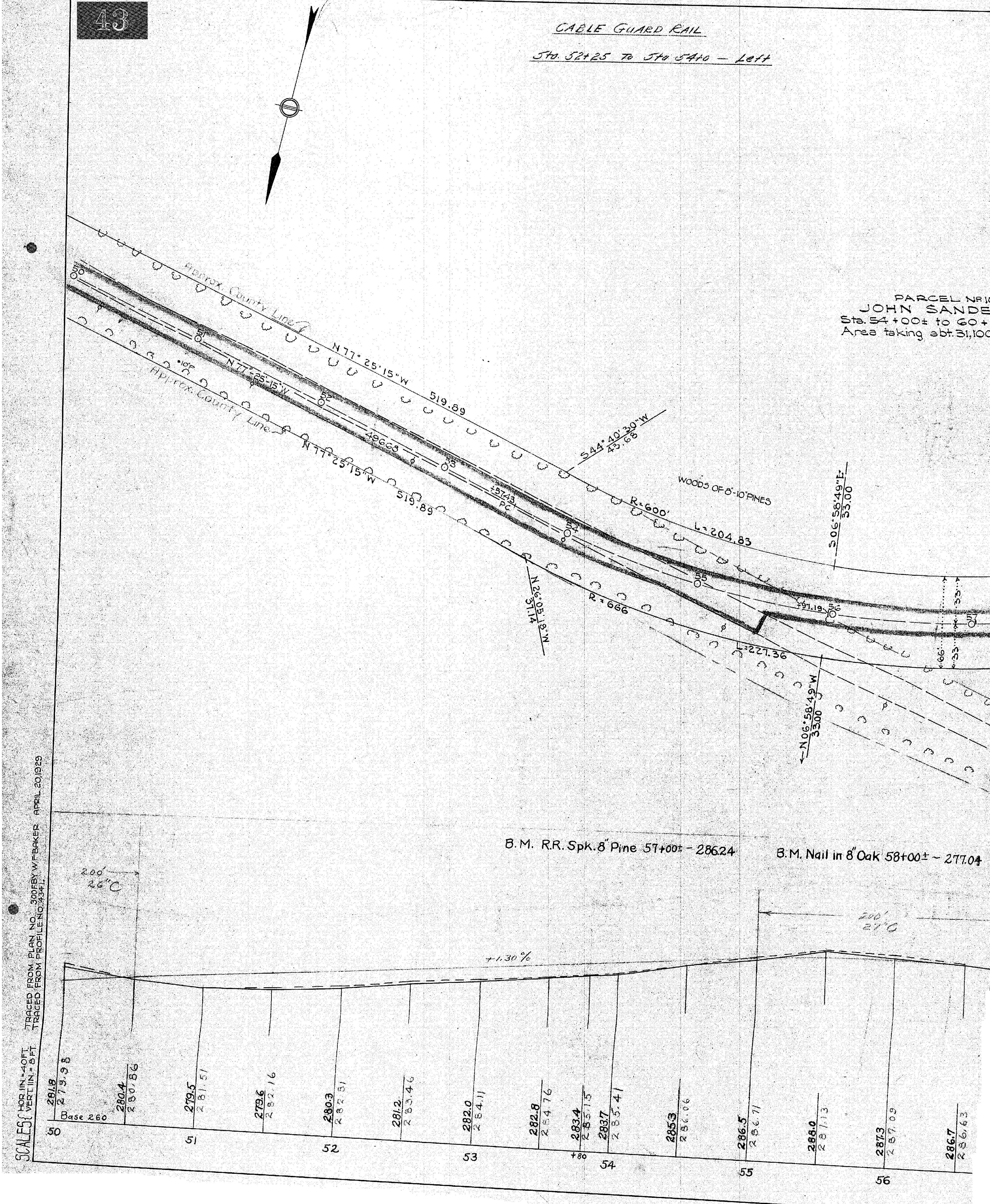
Plan of Road in the City of Westfield, Mass



Category	**Index**
City/Town	**Westfield**
Person	**Sanders**
Person	**Saalfrank**

CABLE GUARD RAIL

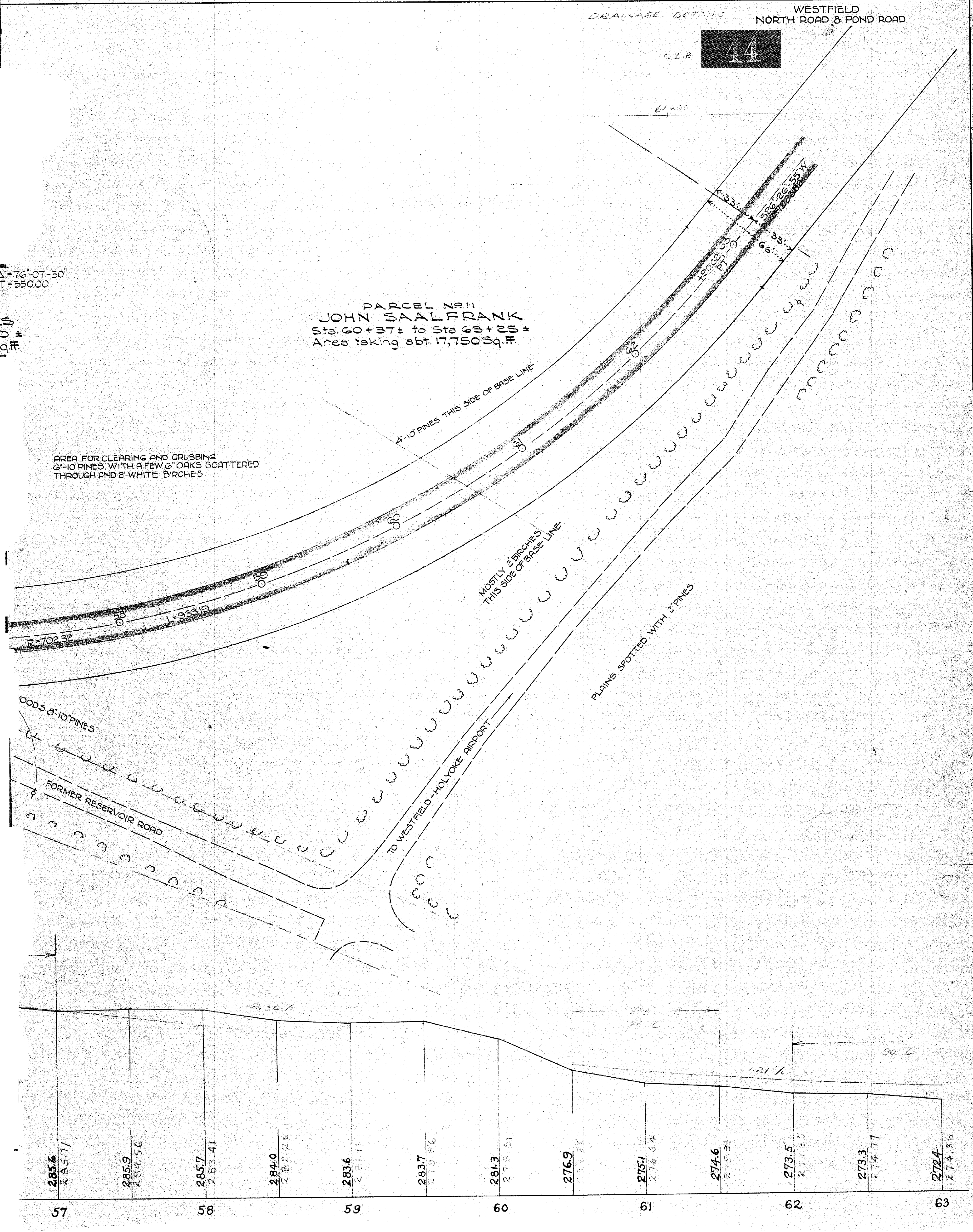
Sta. 52+25 to Sta 54+0 — Left

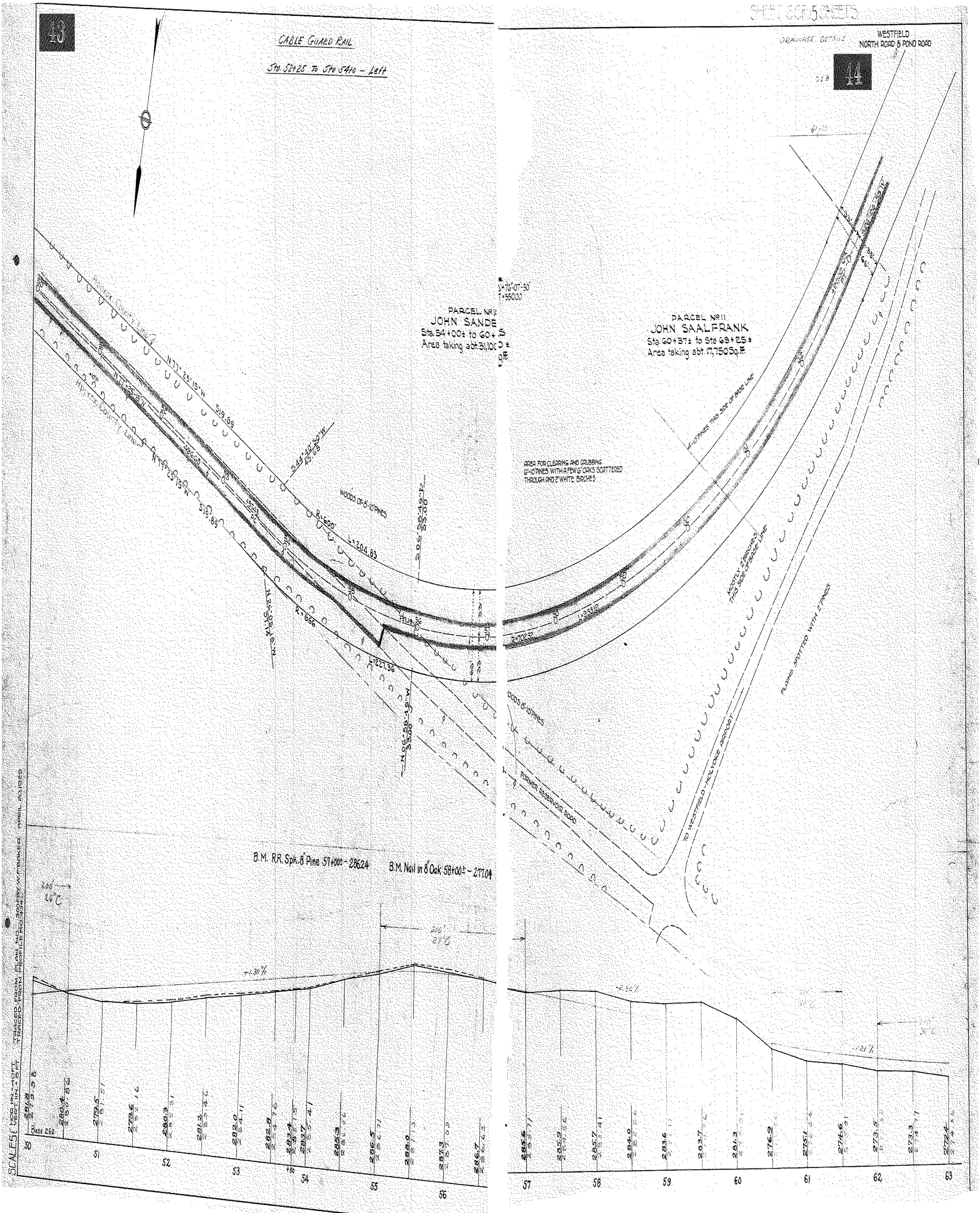


SHEET 3 OF 5 SHEETS

WESTFIELD
NORTH ROAD & POND ROAD

44

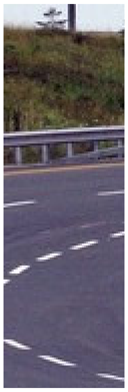


SHEET 3 OF 5 SHEETS
43
CABLE GUARD RAIL
Sta. 52+25 To Sta 54+0 – Left
44
DRAINAGE DETAILS
WESTFIELD
NORTH ROAD & POND ROAD
PARCEL Nº 11
JOHN SANDE
Sta. 54+00± to 60+
Area taking abt. 31,10
PARCEL Nº 11
JOHN SAALFRANK
Sta. 60+37± to Sta 63+25±
Area taking abt. 17,750 Sq. Ft.
Δ=76°07'50"
T=550.00
N 77°25'15" W 519.89
N 77°25'15" W 516.89
Hamp. County Line
S 44°40'30" W 45.68
WOODS OF 8"-10" PINES
R=600'
L=204.83
R=666
L=227.36
R=702.3
AREA FOR CLEARING AND GRUBBING
6"-10" PINES WITH A FEW 6" OAKS SCATTERED
THROUGH AND 2" WHITE BIRCHES
4"-10" PINES THIS SIDE OF BASE LINE
MOSTLY 2" BIRCHES THIS SIDE OF BASE LINE
PLAINS SPOTTED WITH 2" PINES
WOODS 8"-10" PINES
FORMER RESERVOIR ROAD
TO WESTFIELD-HOLYOKE AIRPORT
B.M. RR. Spk. 8" Pine 57+00± – 286.24
B.M. Nail in 8" Oak 58+00± – 277.04
+1.30%
-2.30%
-1.21%
200' 26°C
200' 27°C
Base 260
50
51
52
53
54
55
56
57
58
59
60
61
62
63
SCALES: HOR. 1 IN.=40 FT. VERT. 1 IN.=8 FT.
TRACED FROM PLAN NO. 3009 BY W. F. BAKER APRIL 20 1939
TRACED FROM PROFILE NO. 4341

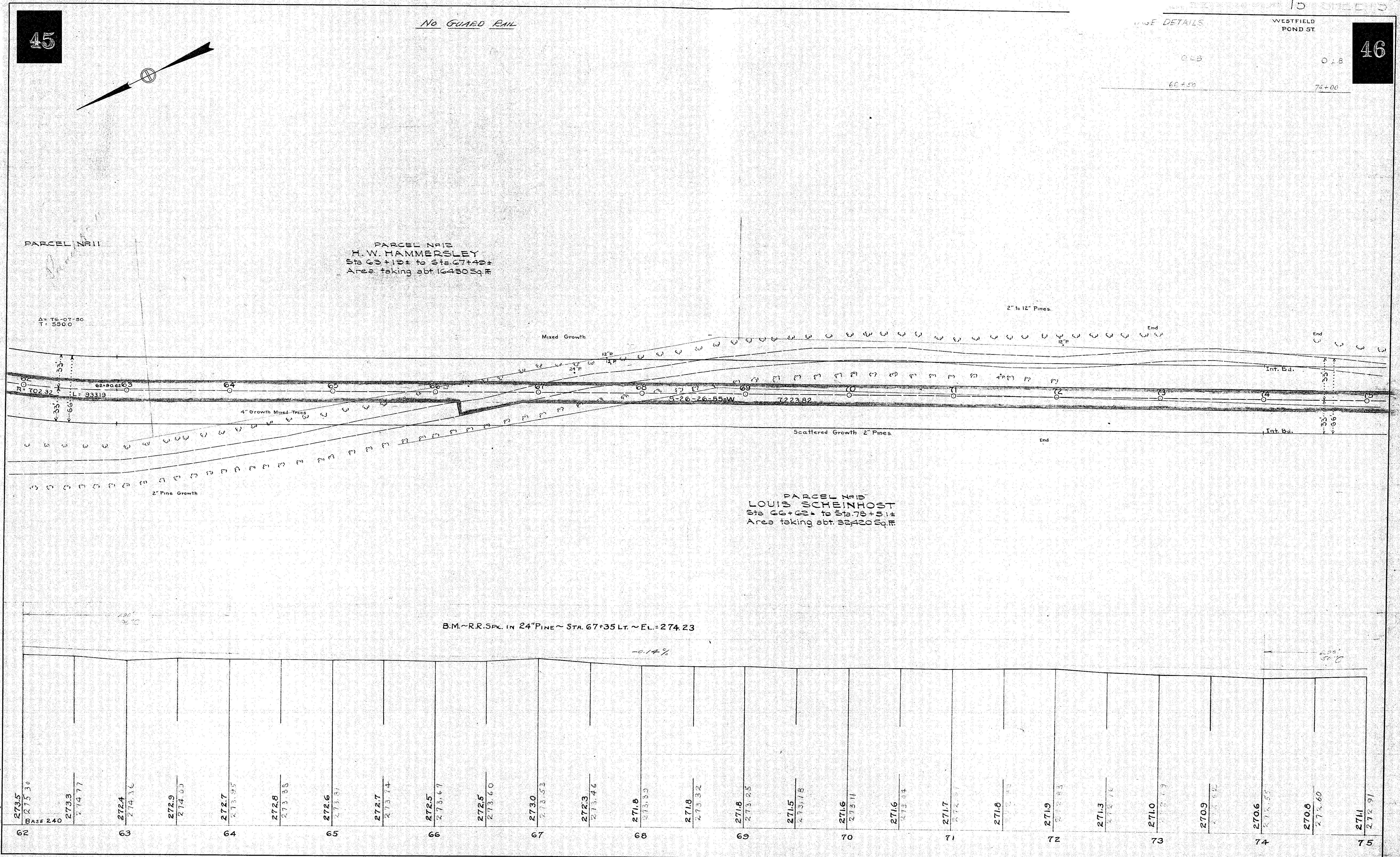
Plan Original Book and Page: **ch18045**

Name of specific Plan:

Plan of Road in the City of Westfield, Mass



Category	Index
City/Town	**Westfield**
Person	**Scheinhost**
Person	**Hammersley**



SCALES {HOR 1 IN = 40 FT. VER 1 IN = 8 FT.

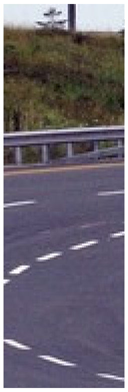
TRACED FROM PLAN NO. 302 C BY J.J. Cleary Apr. 1929

TRACED FROM PROFILE NO. 434 M BY " "

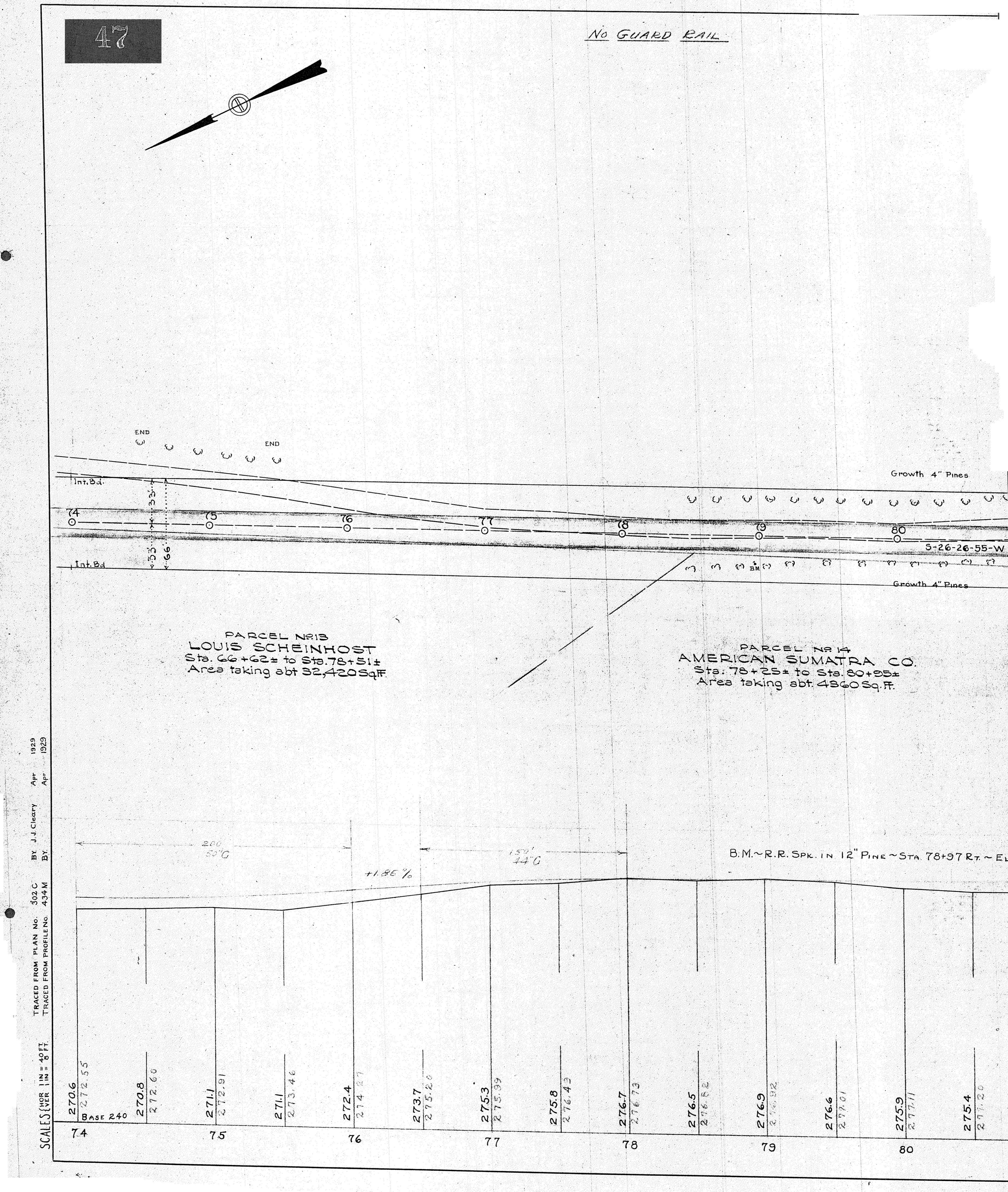
Plan Original Book and Page: **ch18047**

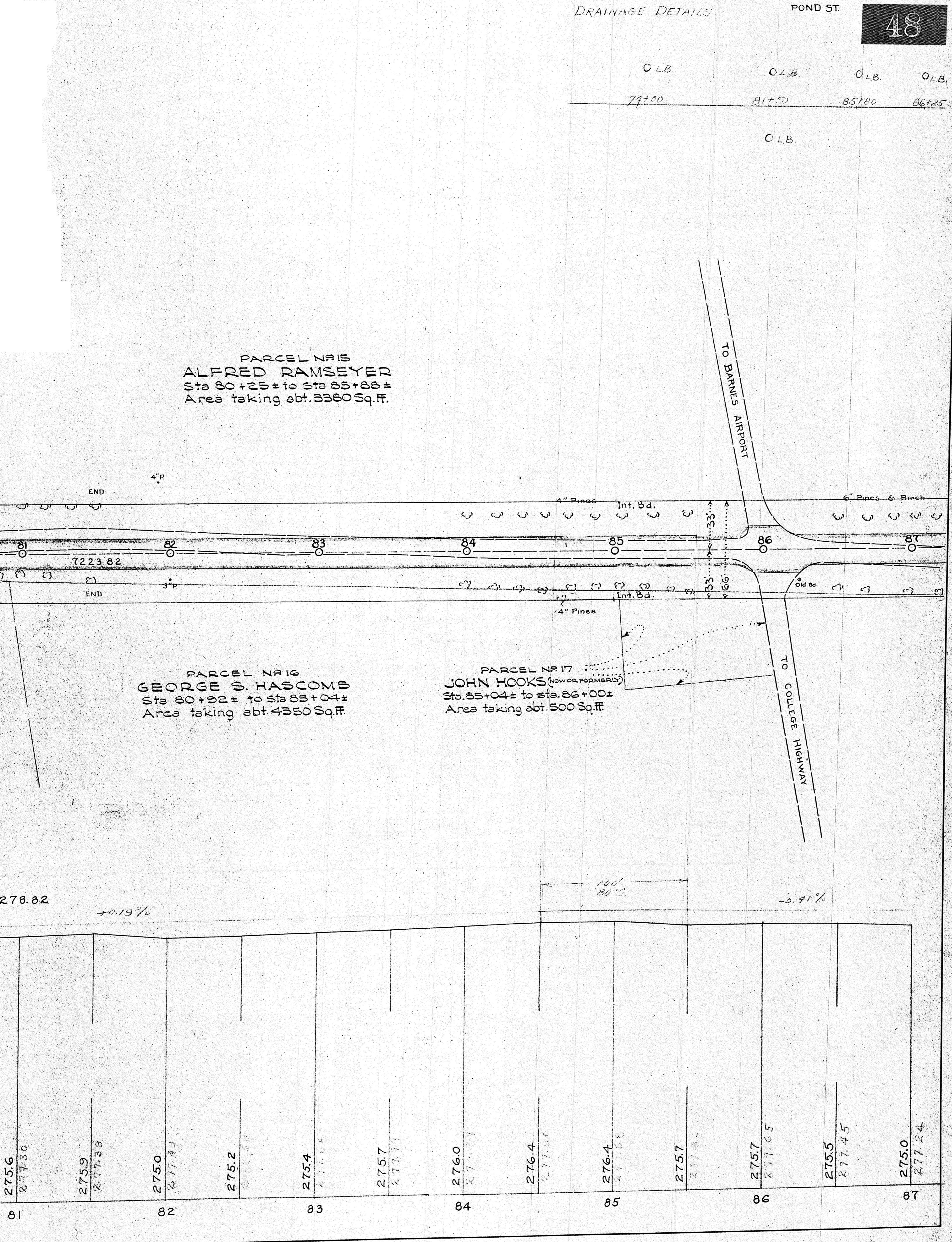
Name of specific Plan:

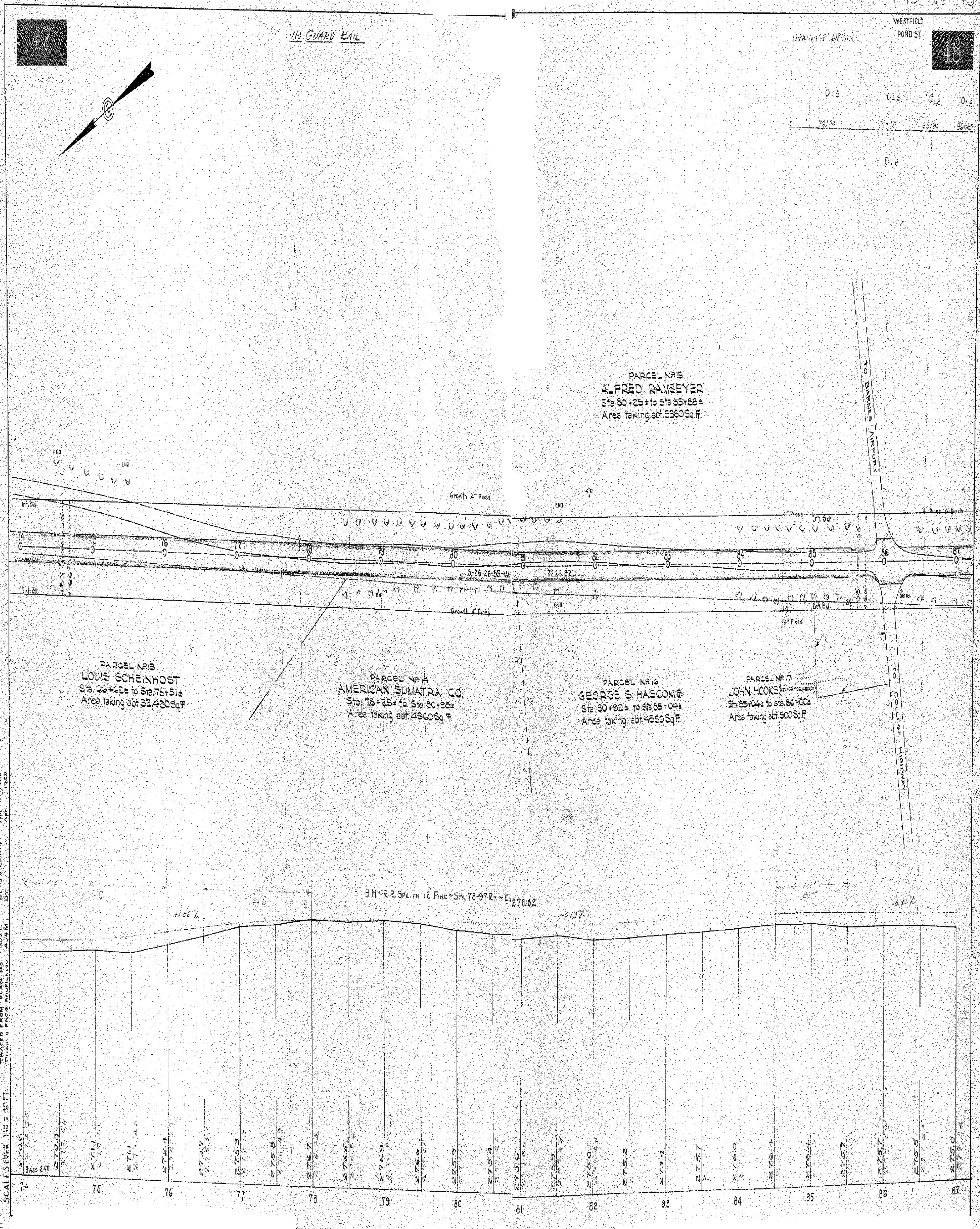
Plan of Road in the City of Westfield, Mass



Category	Index
Abutters	**American Sumatra Company**
City/Town	**Westfield**
Person	**Hooks**
Person	**Hascomb**
Person	**Scheinhost**
Person	**Ramseyer**


47
NO GUARD RAIL
END
END
Int. Bd.
Int. Bd
33'
33'
66
74
75
76
77
78
79
80
S-26-26-55-W
Growth 4" Pines
Growth 4" Pines
BM
PARCEL No. 13
LOUIS SCHEINHOST
Sta. 66+62± to Sta. 78+51±
Area taking abt 32,420 Sq. Ft.
PARCEL No. 14
AMERICAN SUMATRA CO.
Sta. 78+25± to Sta. 80+95±
Area taking abt. 4360 Sq. Ft.
200'
50'C
150'
44'C
+1.85%
B.M.~R.R. SPK. IN 12" PINE ~ STA. 78+97 RT. ~ EL
270.6
272.55
270.8
272.60
271.1
272.91
271.1
273.46
272.4
274.87
273.7
275.20
275.3
275.99
275.8
276.43
276.7
276.73
276.5
276.82
276.9
276.92
276.6
277.01
275.9
277.11
275.4
277.20
BASE 240
74
75
76
77
78
79
80
SCALES {HOR 1 IN = 40 FT. / VER 1 IN = 8 FT.
TRACED FROM PLAN No. 302 C BY J. J. Cleary Apr 1929
TRACED FROM PROFILE No. 434 M BY Apr 1929

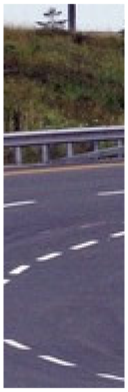

DRAINAGE DETAILS
O L.B.
O L.B.
O L.B.
O L.B.
77+00
81+50
85+80
86+25
O L.B.
PARCEL Nº 15
ALFRED RAMSEYER
Sta 80+25± to Sta 85+88±
Area taking abt. 3380 Sq. Ft.
TO BARNES AIRPORT
4" P.
END
4" Pines
Int. Bd.
6" Pines & Birch
33'
33'
66'
81
82
83
84
85
86
87
7223.82
3" P.
END
Old Bd.
Int. Bd.
4" Pines
PARCEL Nº 16
GEORGE S. HASCOMB
Sta 80+92± to Sta 85+04±
Area taking abt. 4350 Sq. Ft.
PARCEL Nº 17
JOHN HOOKS (NOW OR FORMERLY)
Sta. 85+04± to Sta. 86+00±
Area taking abt. 500 Sq. Ft.
TO COLLEGE HIGHWAY
100'
80
278.82
+0.19%
-0.41%
275.6
277.30
275.9
277.39
275.0
277.49
275.2
275.4
275.7
276.0
276.4
276.4
275.7
275.7
277.65
275.5
277.45
275.0
277.24
81
82
83
84
85
86
87


15 Sh 16
47
48
NO GUARD RAIL
DRAINAGE DETAIL
WESTFIELD
POND ST.
PARCEL Nº 15
ALFRED RAMSEYER
Sta 80+25± to Sta 85+88±
Area taking abt. 5360 Sq. ft.
TO BARNES AIRPORT
TO COLLEGE HIGHWAY
Growth 4" Pines
4" Pines
6" Pines & Birch
END
Int. Bd.
S-26-26-55-W
7223.82
74
75
76
77
78
79
80
81
82
83
84
85
86
87
PARCEL Nº 13
LOUIS SCHEINHOST
Sta. 66+62± to Sta. 78+51±
Area taking abt 32,420 Sq. ft.
PARCEL Nº 14
AMERICAN SUMATRA CO.
Sta. 78+25± to Sta. 80+95±
Area taking abt. 4360 Sq. ft.
PARCEL Nº 16
GEORGE S. HASCOMB
Sta 80+92± to Sta 85+04±
Area taking abt. 4350 Sq. ft.
PARCEL Nº 17
JOHN HOOKS (NOW OR FORMERLY)
Sta. 85+04± to Sta. 86+00±
Area taking abt. 500 Sq. ft.
B.M.~R.R. SPK. IN 12" PINE ~ STA. 78+97 RT. ~ EL. 278.82
BASE 240
270.6
270.8
271.1
271.1
272.4
273.7
275.3
275.8
276.7
276.5
276.9
276.6
275.9
275.4
275.6
275.9
275.0
275.2
275.4
275.7
276.0
276.4
276.4
275.7
275.7
275.5
275.0
SCALES HOR. 1 IN = 40 FT.
VER. 1 IN = 8 FT.
TRACED FROM PLAN NO. 302 C BY J. J. Cleary Apr 1929
TRACED FROM PROFILE NO. 434 M BY Apr 1929

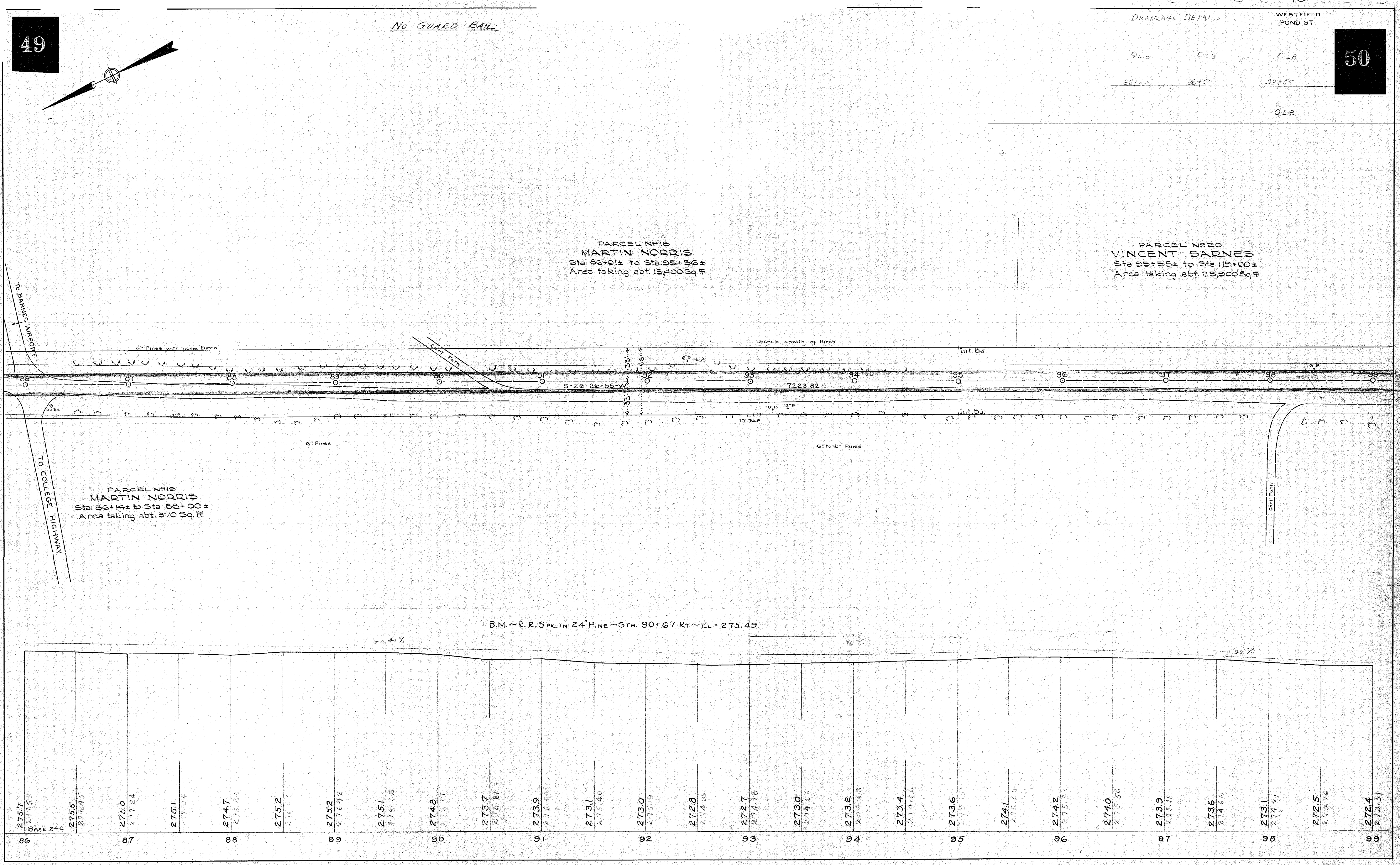
Plan Original Book and Page: **ch18049**

Name of specific Plan:

Plan of Road in the City of Westfield, Mass



Category	Index
City/Town	**Westfield**
Person	**Norris**
Person	**Barnes**



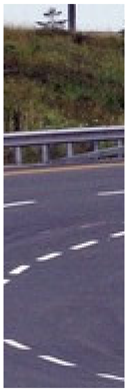
SCALES {HOR. 1 IN = 40 FT. / VER. 1 IN = 8 FT.

TRACED FROM PLAN NO. 302 C BY J.J. Cleary April 1929.
TRACED FROM PROFILE NO. 434 M BY

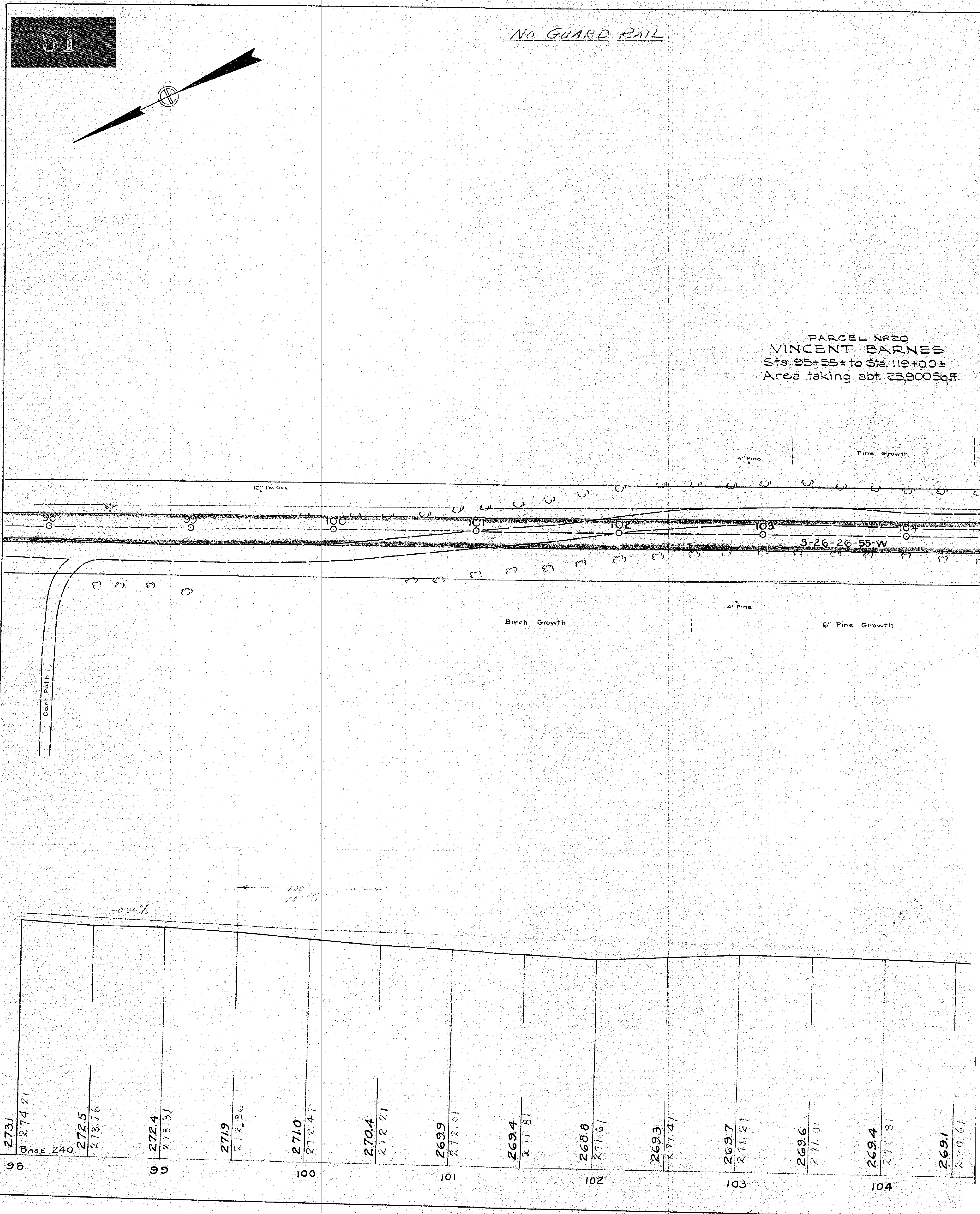
Plan Original Book and Page: **ch18051**

Name of specific Plan:

Plan of Road in the City of Westfield, Mass



Category	**Index**
City/Town	**Westfield**
Person	**Barnes**



SCALES { HOR 1 IN. = 40 FT. / VER 1 IN. = 8 FT.
TRACED FROM PLAN NO. 302 C BY J. J. Cleary, April 1929.
TRACED FROM PROFILE NO. 434 M BY

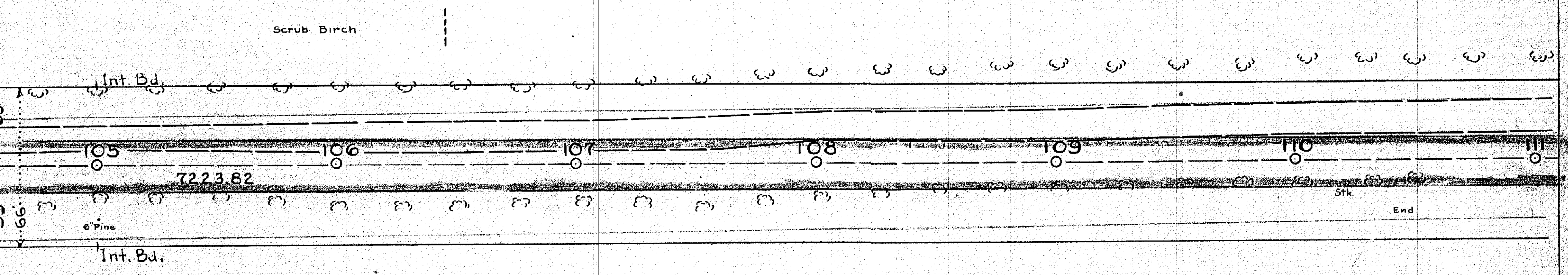
DRAINAGE DETAILS

WESTFIELD
POND ST.

52

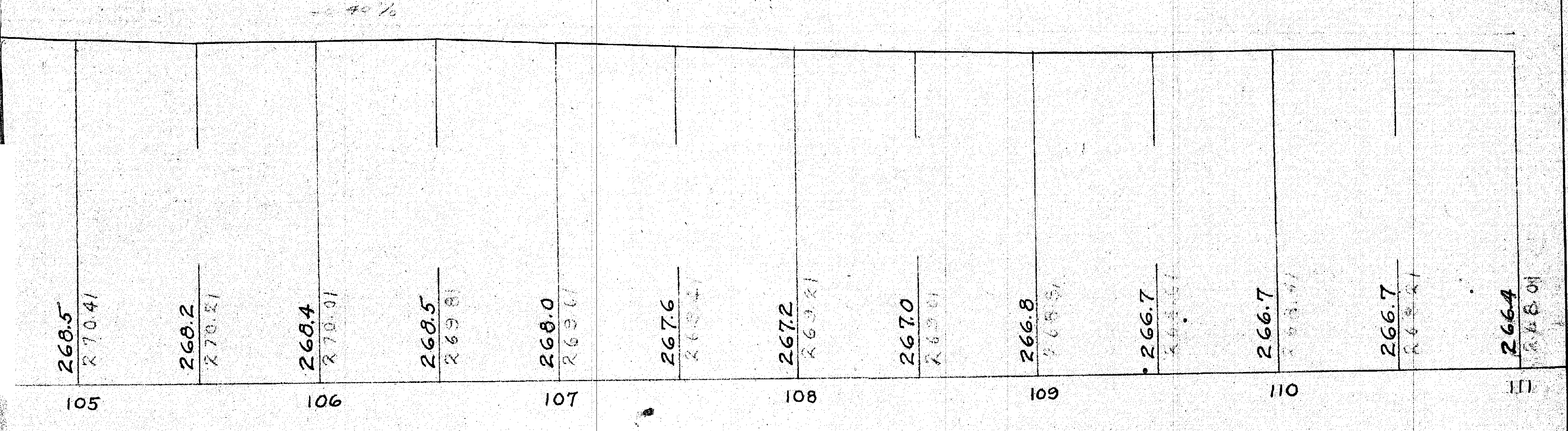
○ LB

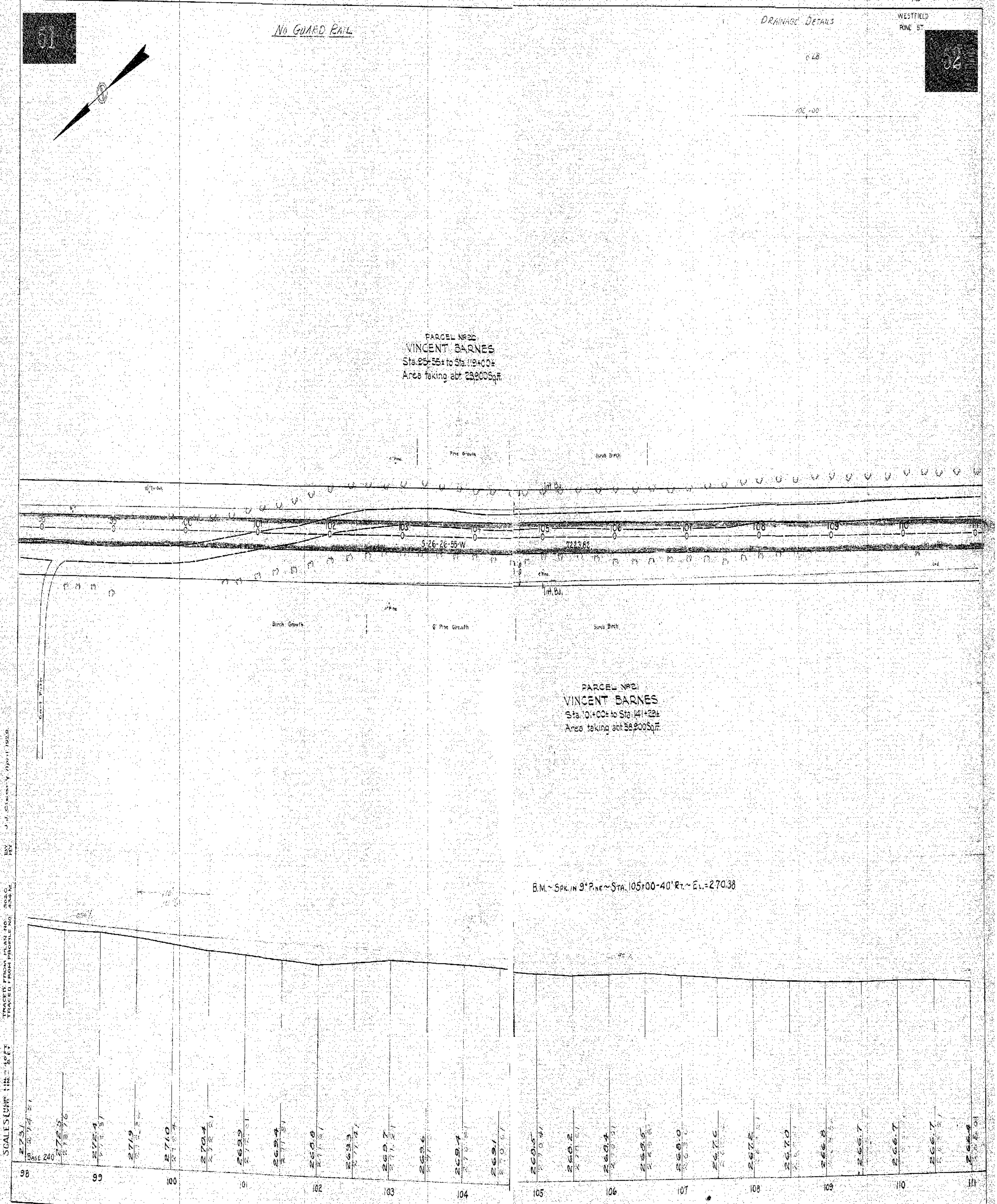
106+00



PARCEL Nº 21
VINCENT BARNES
Sta. 101+00± to Sta. 141+29±
Area taking abt. 38,900 Sq. F.

B.M. ~ SPK. IN 9" PINE ~ STA. 105+00-40' RT. ~ EL. = 270.38

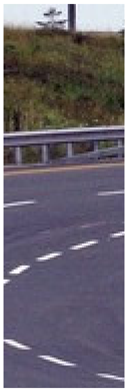



15
51
NO GUARD RAIL
DRAINAGE DETAILS
WESTFIELD
POND ST.
56
C.B.
102+00
PARCEL Nº20
VINCENT BARNES
Sta. 25+55± to Sta. 119+00±
Area taking abt. 23,900 Sq.ft.
Pine Growth
Scrub Birch
Int. Bu.
S-26-26-55-W
7283.82
99
100
101
102
103
104
105
106
107
108
109
110
111
Birch Growth
6" Pine Growth
Scrub Birch
Cart Path
PARCEL Nº21
VINCENT BARNES
Sta. 101+00± to Sta. 141+33±
Area taking abt. 38,900 Sq.ft.
B.M. ~ SPK. IN 9" PINE ~ STA. 105+00-40' RT. ~ EL.=270.38
SCALES {HOR. 1 IN. = 40 FT. VER. 1 IN. = 8 FT.
TRACED FROM PLAN NO. 802 C
TRACED FROM PROFILE NO. 434 M
BY J. J. Cleary April 1929
BASE 240
273.1
272.5
272.4
271.9
271.0
270.4
269.9
269.4
268.8
269.3
269.7
269.6
269.4
269.1
268.5
268.2
268.4
268.5
268.0
267.6
267.2
267.0
266.8
266.7
266.7
266.7
266.4
98
99
100
101
102
103
104
105
106
107
108
109
110
111

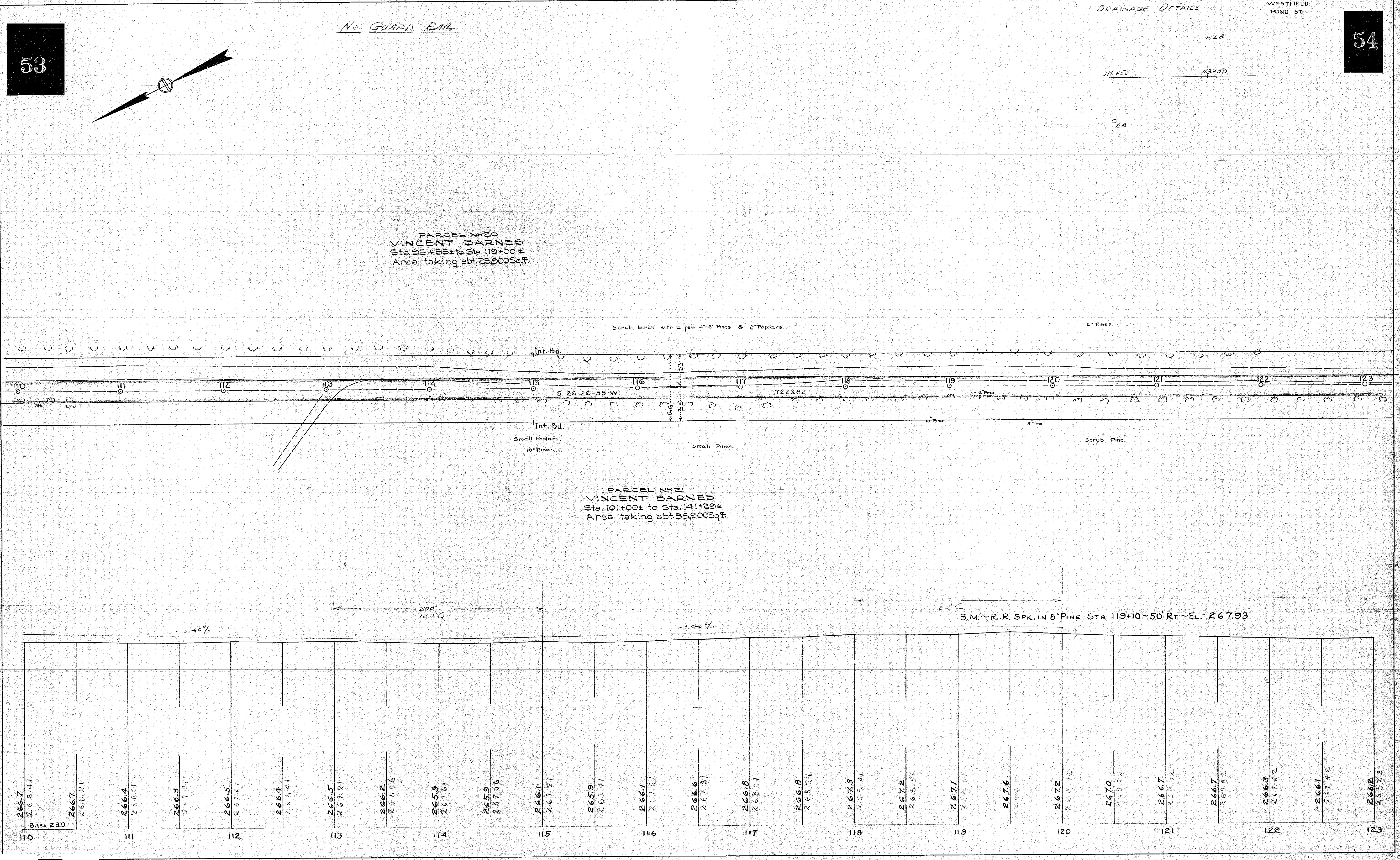
Plan Original Book and Page: **ch18053**

Name of specific Plan:

Plan of Road in the City of Westfield, Mass



Category	Index
City/Town	**Westfield**
Person	**Barnes**



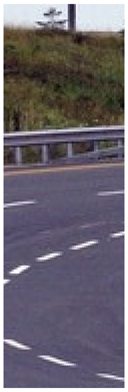
SCALES {HOR 1 IN = 40 FT. / VER 1 IN = 8 FT.

TRACED FROM PLAN NO. 302 C BY J.J. Cleary. April 1929.
TRACED FROM PROFILE NO. 434 M BY

Plan Original Book and Page: **ch18055**

Name of specific Plan:

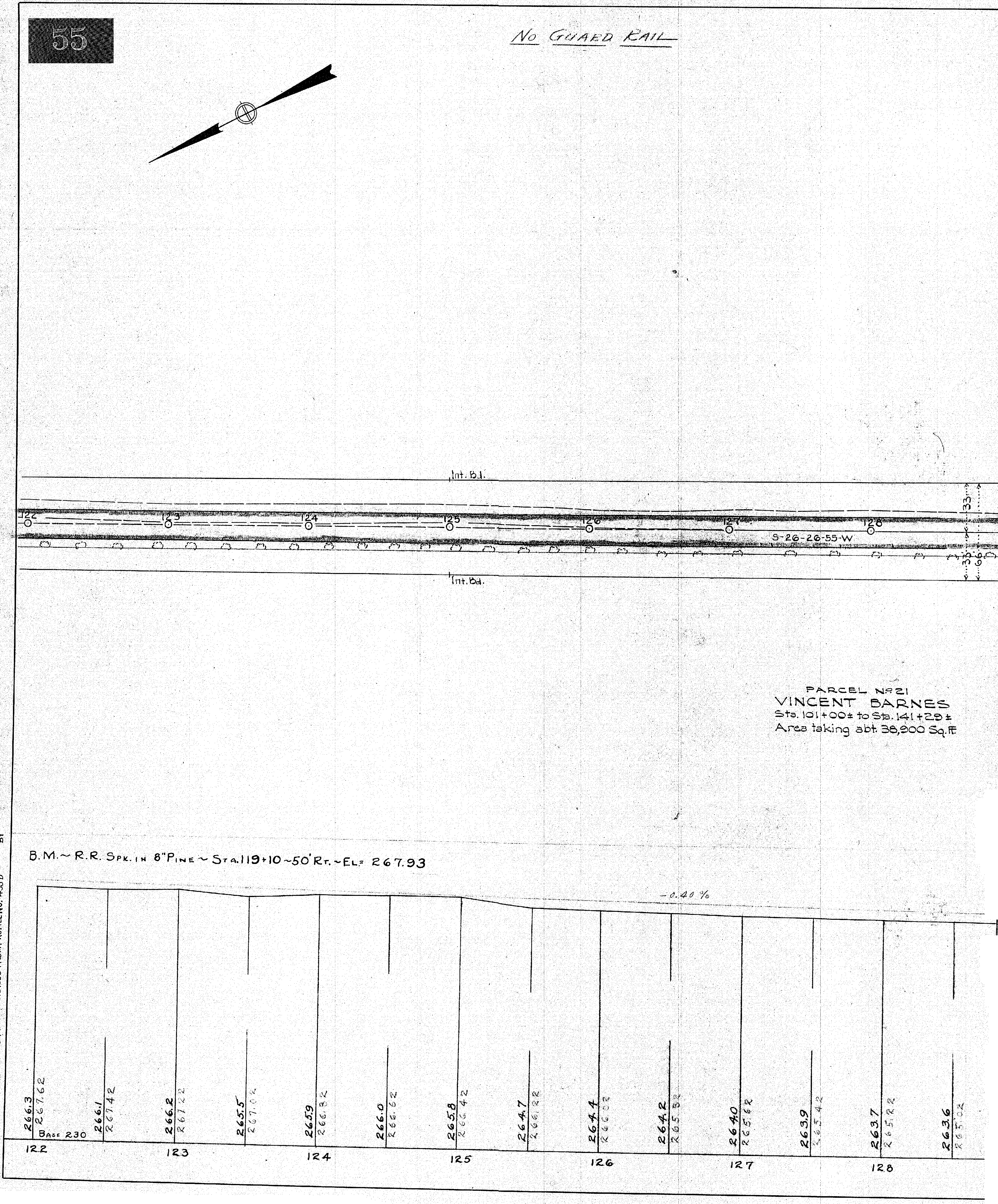
Plan of Road in the City of Westfield, Mass



Category	Index
City/Town	**Westfield**
Person	**Barnes**

55

NO GUARD RAIL



PARCEL Nº 21
VINCENT BARNES
Sta. 101+00± to Sta. 141+29±
Area taking abt. 38,900 Sq. Ft.

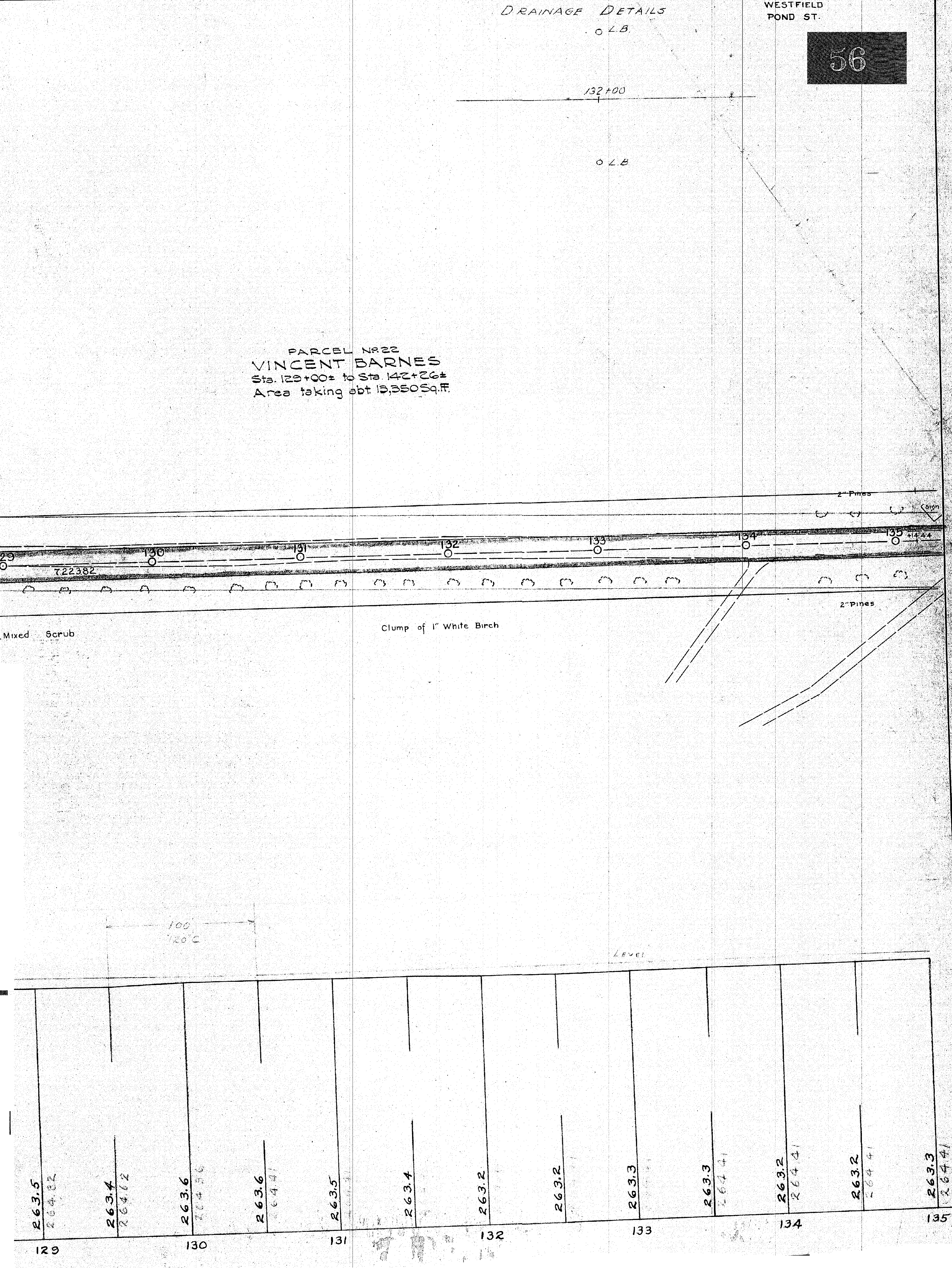
B.M. ~ R.R. Spk. in 8" Pine ~ Sta. 119+10 ~ 50' Rt. ~ El. = 267.93

SCALES {HOR. 1 IN. = 40 FT. / VER. 1 IN. = 8 FT.
TRACED FROM PLAN NO. 302 D
TRACED FROM PROFILE NO. 435 D
BY J.J. Cleary. April 1929
BY

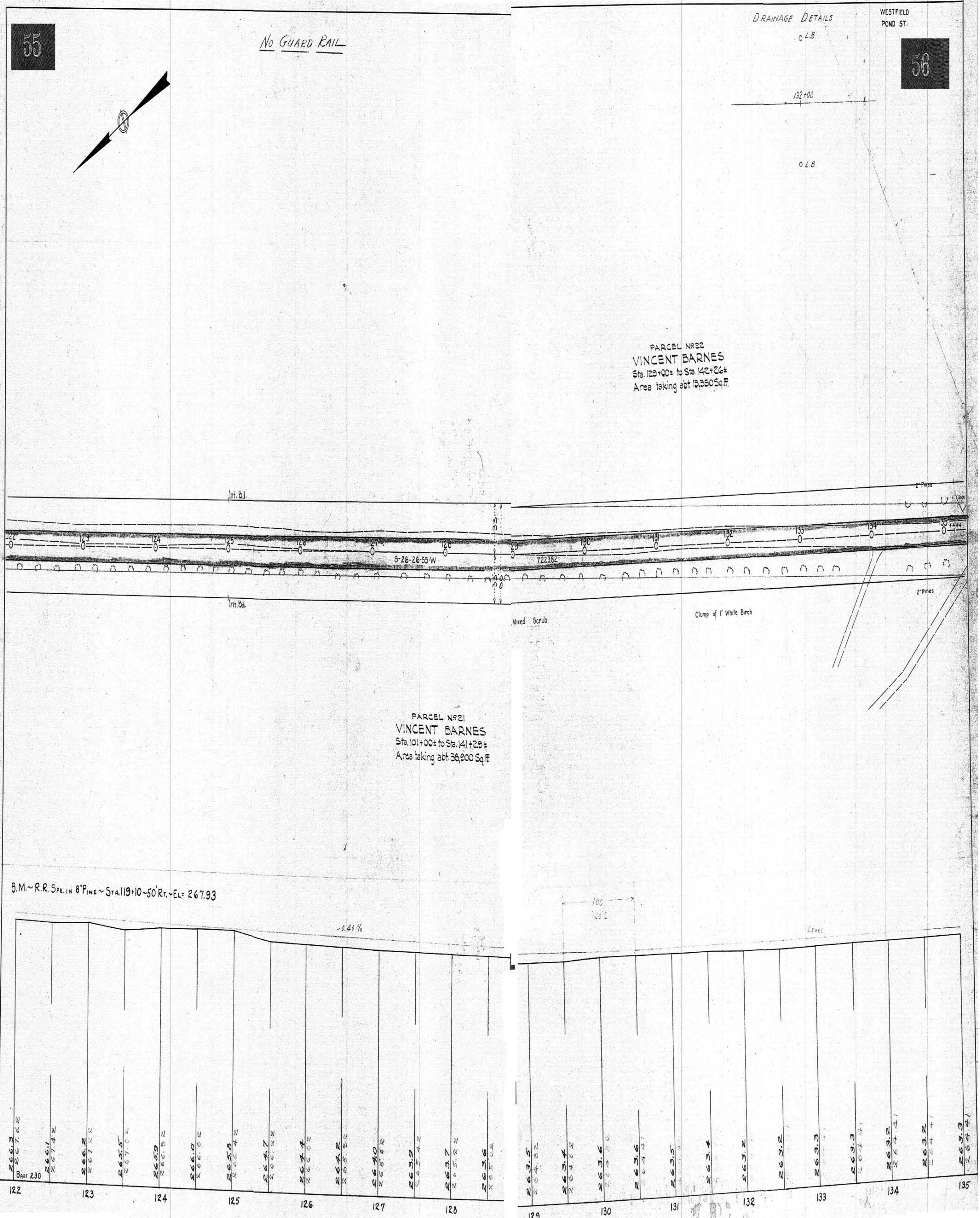
SHEET 12 OF 15 SHEETS

WESTFIELD
POND ST.

56



SHEET 12 OF 15 SHEETS



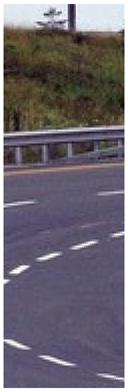
SCALES {HOR 1 IN = 40 FT / VER 1 IN = 8 FT

TRACED FROM PLAN NO. 302 D BY
TRACED FROM PROFILE NO. 435 D BY J.J. Cleary. April 1929

Plan Original Book and Page: **ch18057**

Name of specific Plan:

Plan of Road in the City of Westfield, Mass



Category	Index
City/Town	**Westfield**
Person	**Barnes**
Person	**Noble**

57

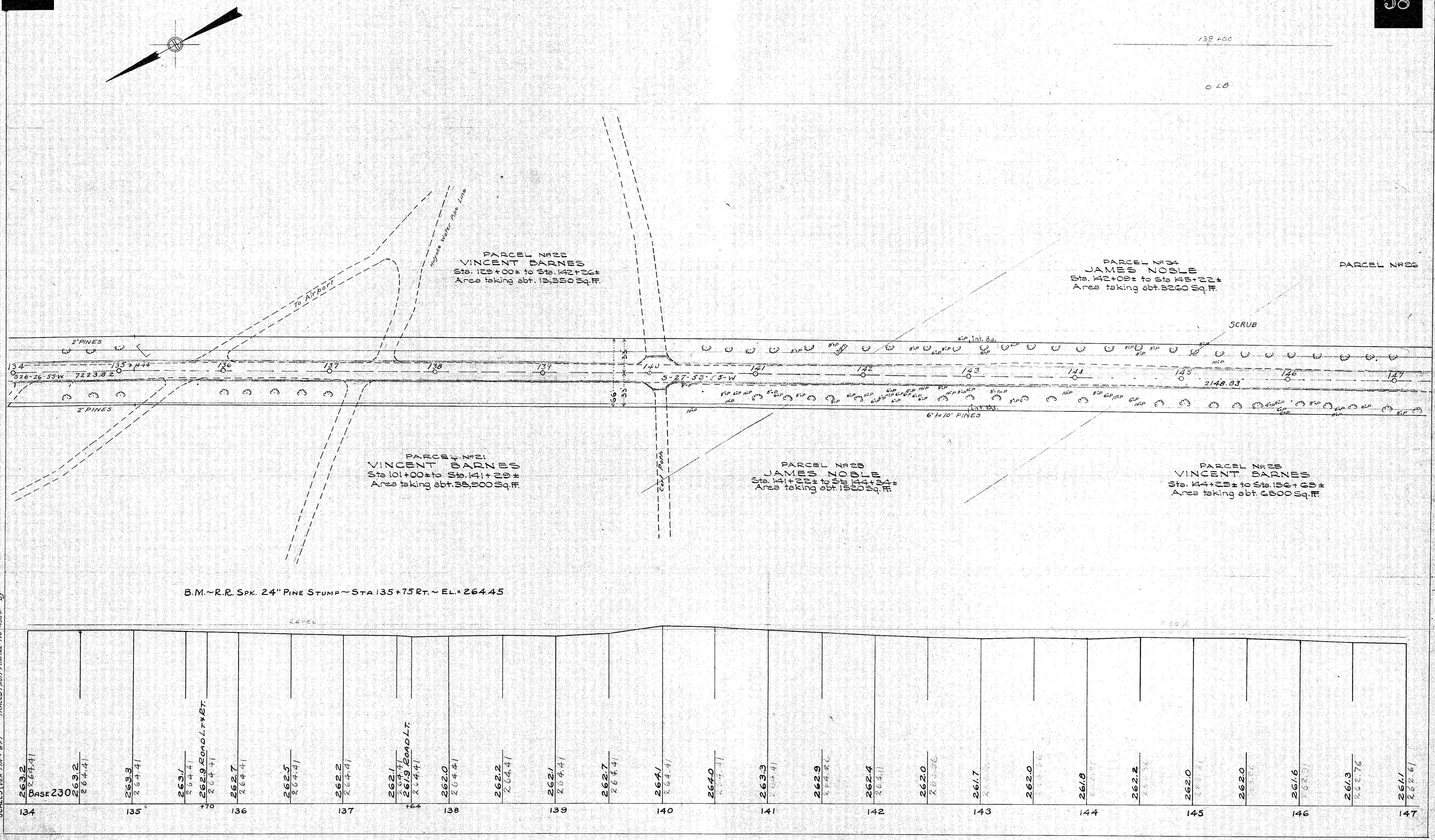
NO GUARD RAIL

15

DRAINAGE DETAILS

WESTFIELD
POND ROAD

58



SCALES {HOR. 1 IN. = 40 FT. / VER. 1 IN. = 8 FT.

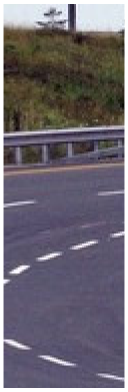
TRACED FROM PLAN NO 302 D BY McElhinney 4-22-29

TRACED FROM PROFILE NO 435 D BY

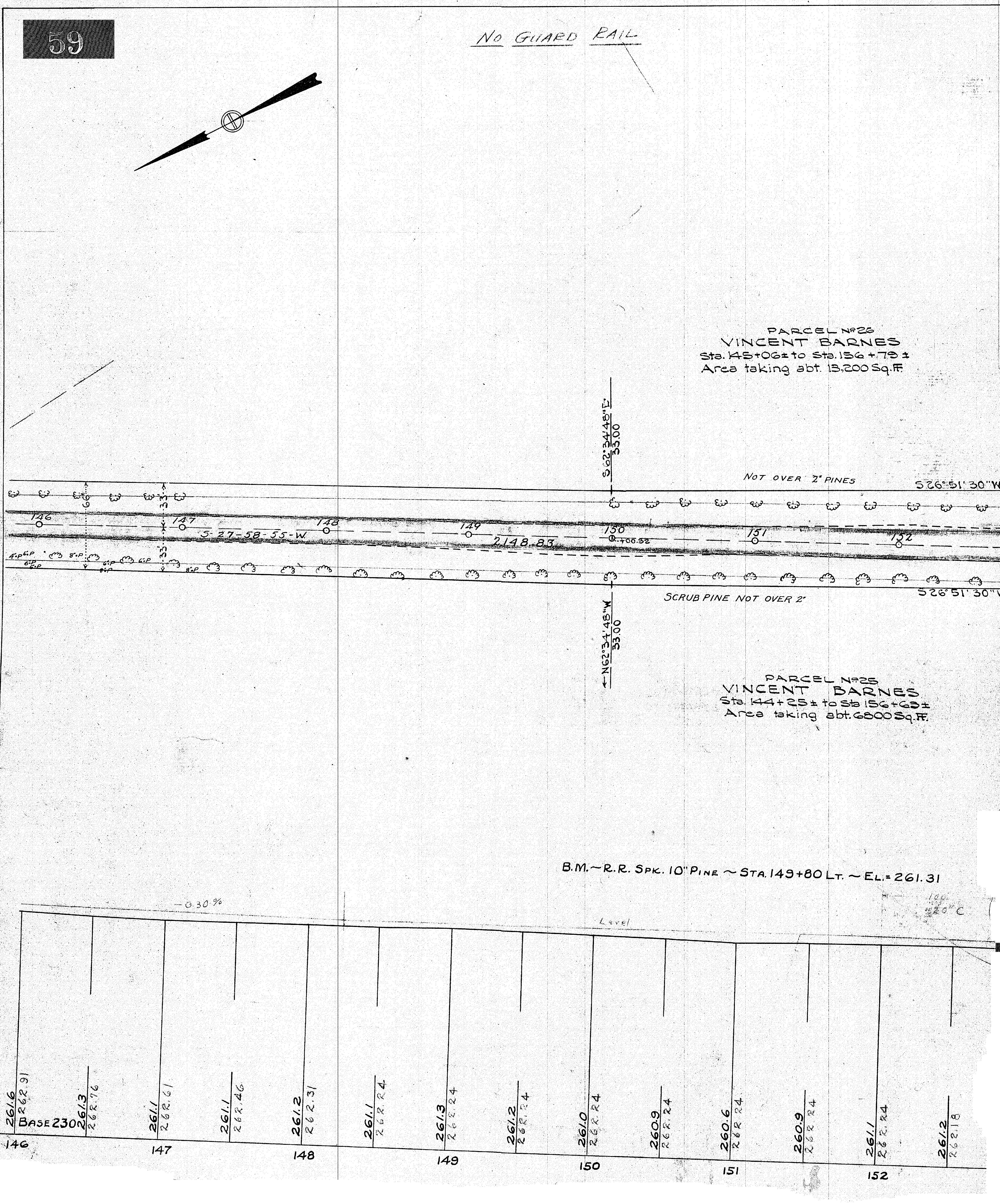
Plan Original Book and Page: **ch18059**

Name of specific Plan:

Plan of Road in the City of Westfield, Mass



Category	Index
Abutters	**Polish Cemetery Association**
City/Town	**Westfield**
Person	**Barnes**

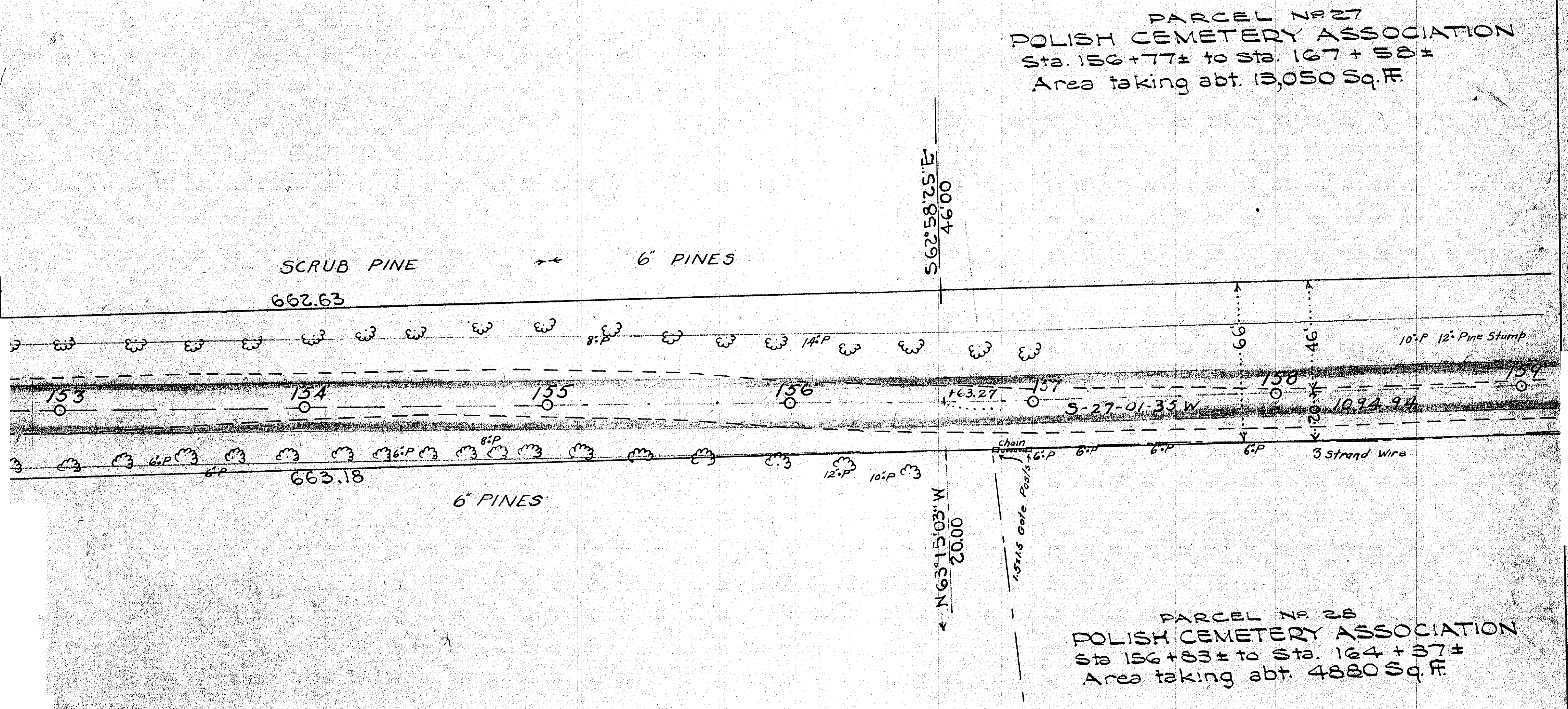

NO GUARD RAIL
PARCEL No 26
VINCENT BARNES
Sta. 145+06± to Sta. 156+79±
Area taking abt. 13,200 Sq. Ft.
S 62°34'48" E
33.00
NOT OVER 2" PINES
S 26°51'30" W
66
33'
33'
146
147
148
149
150
151
152
S-27-58-55-W.
2148.83
+00.52
4"P
6"P
6"P
6"P
8"P
6"P
8"P
6"P
8"P
SCRUB PINE NOT OVER 2"
S 26°51'30" W
N 62°34'48" W
33.00
PARCEL No 25
VINCENT BARNES
Sta. 144+25± to Sta. 156+63±
Area taking abt. 6800 Sq. Ft.
B.M. ~ R.R. SPK. 10" PINE ~ STA. 149+80 LT. ~ EL. = 261.31
-0.30 %
Level
20" C
261.6
262.91
BASE 230
261.3
262.76
261.1
262.61
261.1
262.46
261.2
262.31
261.1
262.24
261.3
262.24
261.2
262.24
261.0
262.24
260.9
262.24
260.6
262.24
260.9
262.24
261.1
262.24
261.2
262.18
146
147
148
149
150
151
152
SCALES { HOR 1 IN. = 40 FT. / VER 1 IN. = 8 FT.
TRACED FROM PLAN NO 302 D BY McElhinney 4/22/29
TRACED FROM PROFILE NO A35 D

WESTFIELD
POND ST.

60

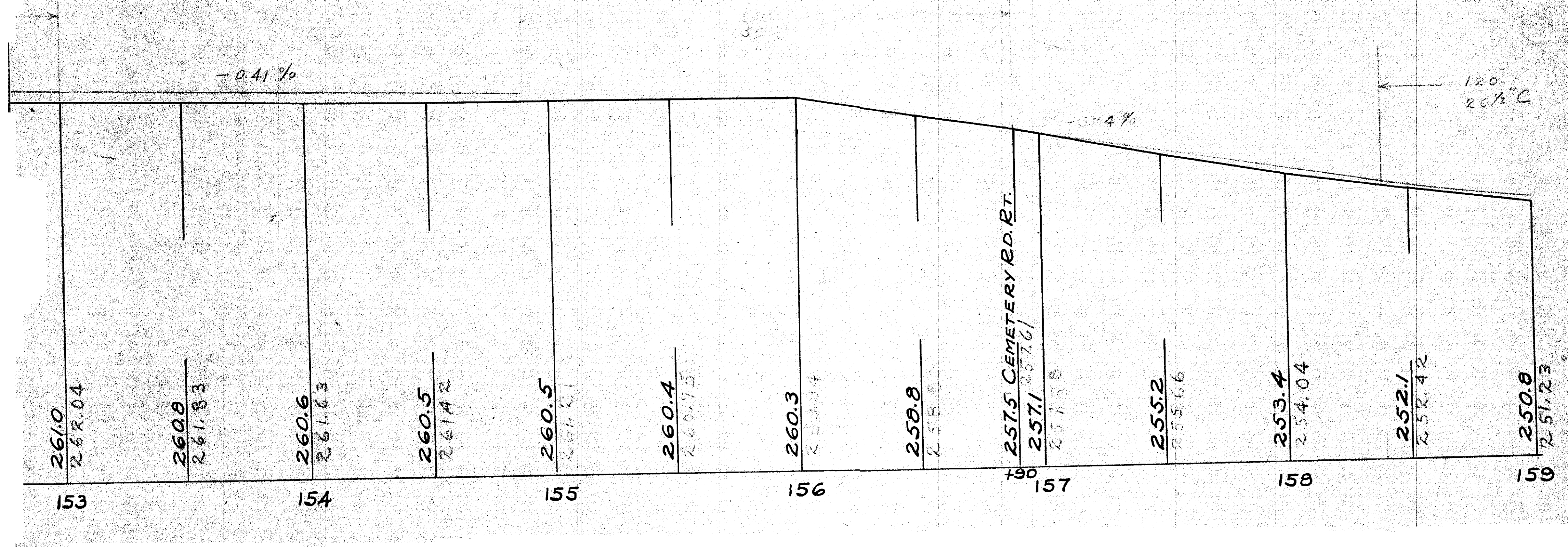
DRAINAGE DETAILS

No DRAINAGE

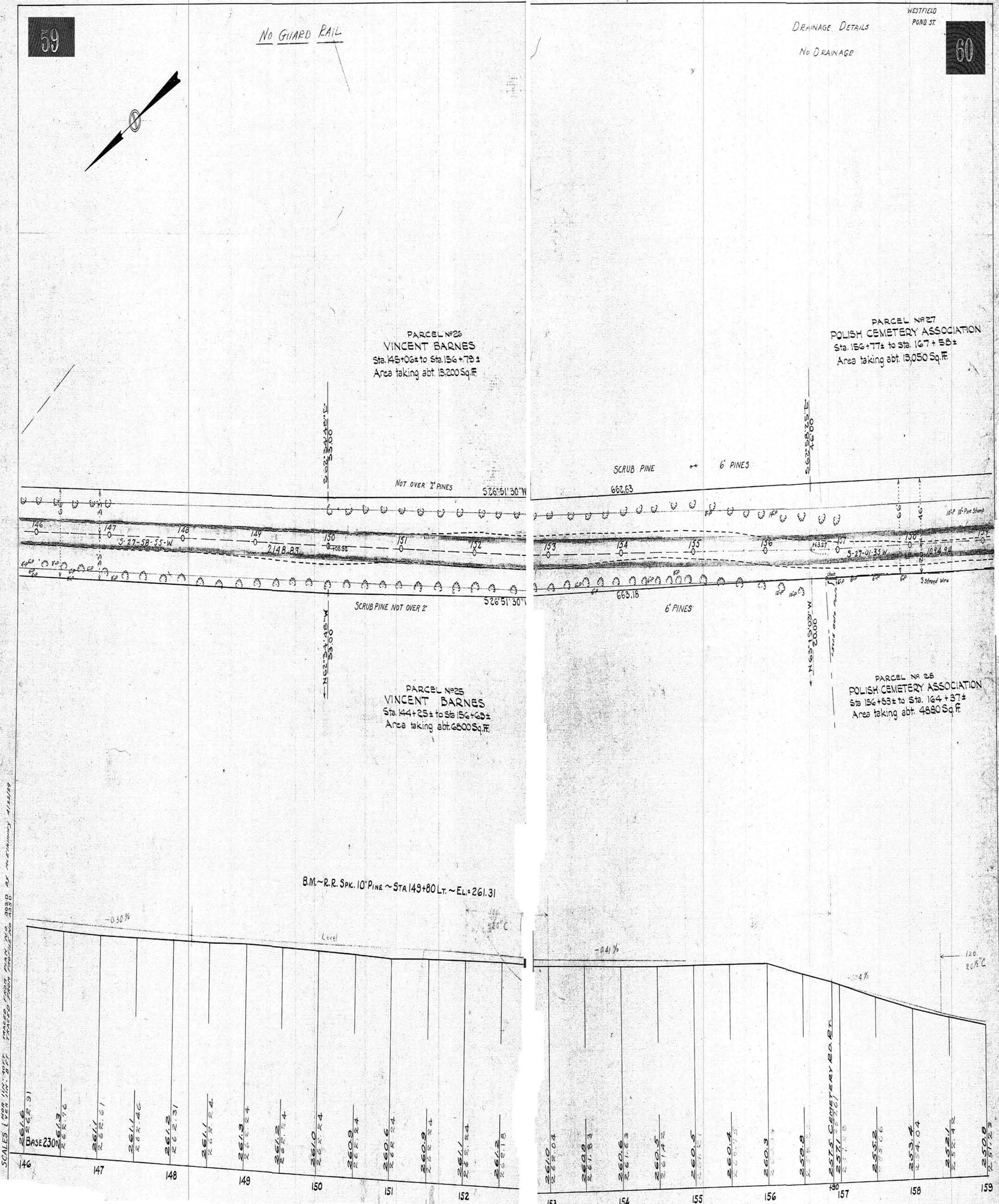


PARCEL No 27
POLISH CEMETERY ASSOCIATION
Sta. 156+77± to Sta. 167+58±
Area taking abt. 13,050 Sq. F.

PARCEL No 28
POLISH CEMETERY ASSOCIATION
Sta 156+83± to Sta. 164+37±
Area taking abt. 4880 Sq. F.



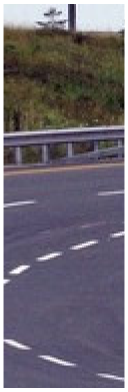
SHEET 14 OF 15 SHEETS



Plan Original Book and Page: **ch18061**

Name of specific Plan:

Plan of Road in the City of Westfield, Mass



Category	Index
Abutters	**Polish Cemetery Association**
City/Town	**Westfield**
Streets	**North Road**
Streets	**Pond Road**
Streets	**Southampton Road**
Streets	**Apremont Way**

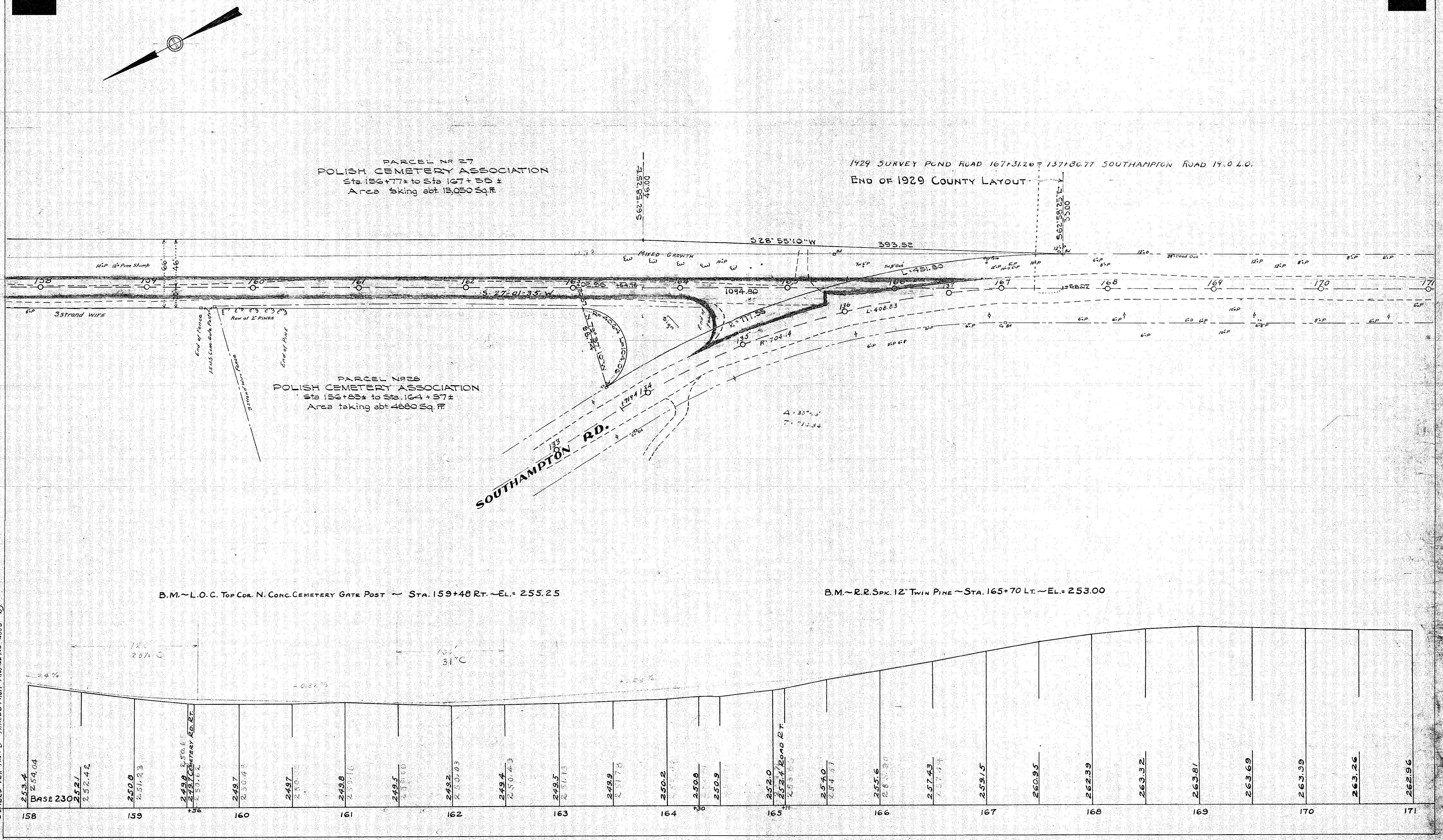
61

WESTFIELD
POND ROAD

62

NO GUARD RAIL

DRAINAGE DETAILS
NO DRAINAGE



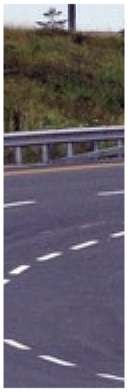
PARCEL No 27
POLISH CEMETERY ASSOCIATION
Sta. 156+77± to Sta 167+58±
Area taking abt. 13,050 Sq. Ft.

PARCEL No 28
POLISH CEMETERY ASSOCIATION
Sta 156+83± to Sta. 164+37±
Area taking abt. 4880 Sq. Ft.

B.M.~L.O.C. TOP COR. N. CONC. CEMETERY GATE POST ~ STA. 159+48 RT. ~EL.= 255.25

B.M.~R.R. SPK. 12" TWIN PINE ~ STA. 165+70 LT. ~ EL.= 253.00

SCALES HOR 1 IN = 40' TRACED FROM PLAN NO 302 D BY McElhinney 4/23 29
VER 1 IN = 8' TRACED FROM PROFILE NO 435 D BY

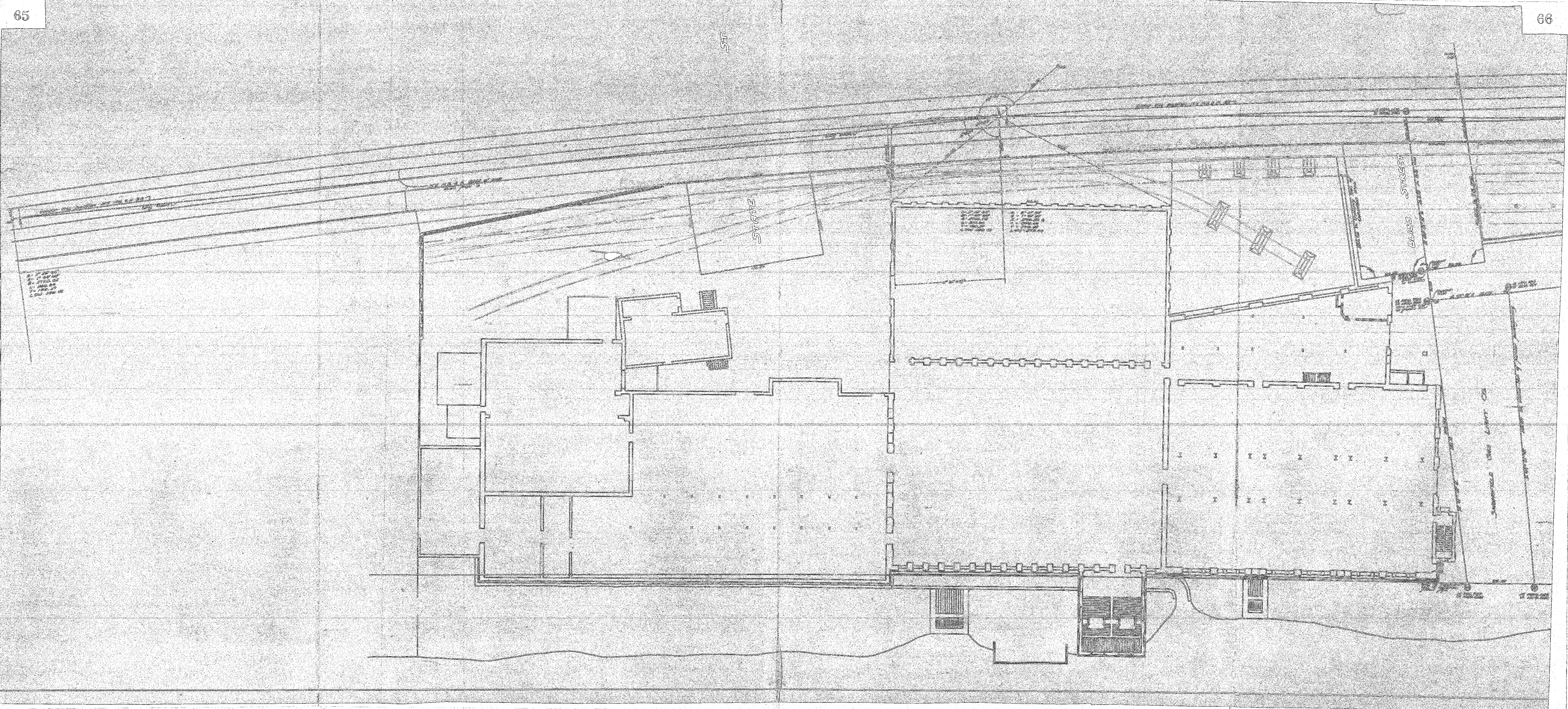


Plan Original Book and Page: **ch18065**

Name of specific Plan:

United Electric Light Company - Proposed Railroad Sidings (Bliss Street-Howard Street-State Street -Mechanic Street)

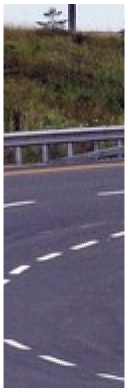
Category	Index
Abutters	**Springfield Gas Light Compa**
City/Town	**Springfield**
Railroads	**New York, New Haven & Har**
Streets	**Columbus Avenue**
Streets	**Bliss State**
Streets	**State Street**


ST.
STATE
BLISS STREET
SPRINGFIELD GAS LIGHT CO.

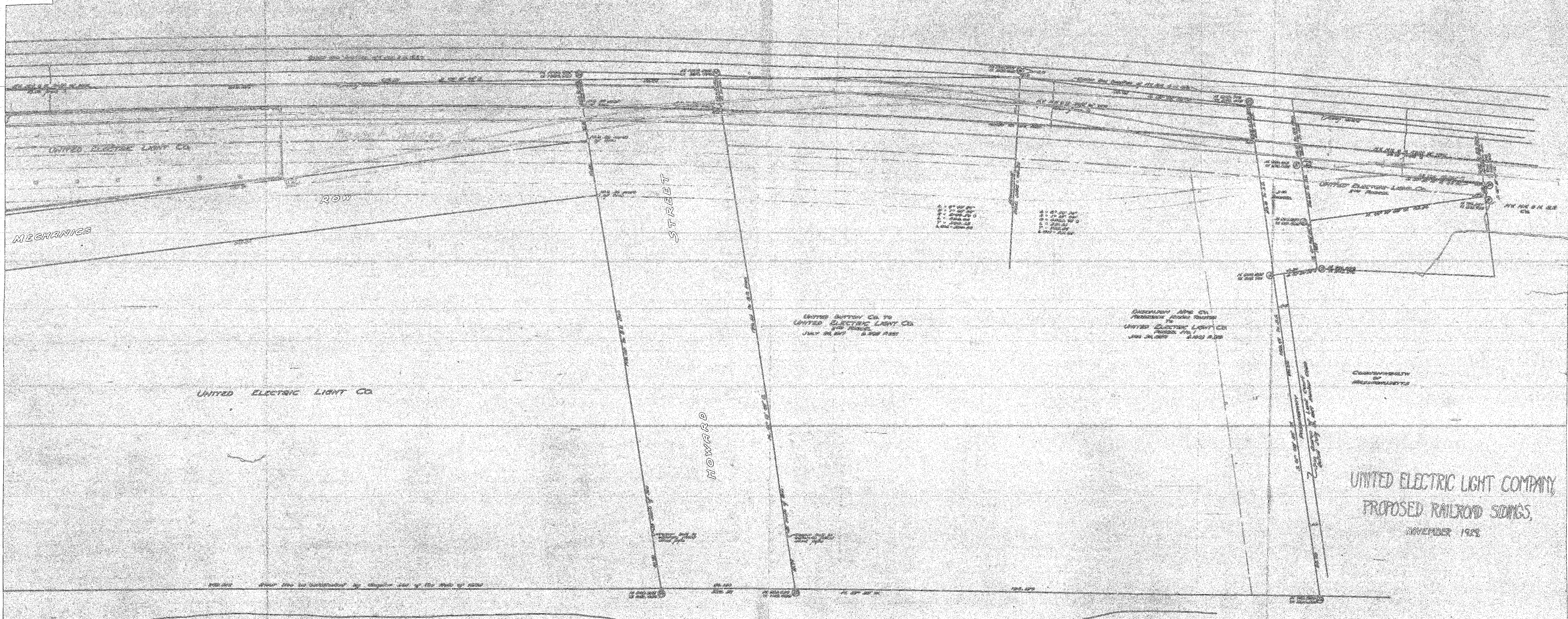
Plan Original Book and Page: **ch18069**

Name of specific Plan:

United Electric Light Company - Proposed Railroad Sidings



Category	Index
Abutters	**Massachusetts, Commonwealt**
Abutters	**United Electric Light Compan**
Abutters	**United Button Company**
Abutters	**Dickinson Manufacturing Co**
Abutters	**Mechanics Row**
City/Town	**Springfield**
Railroads	**New York, New Haven & Har**
Streets	**Howard Street**


UNITED ELECTRIC LIGHT CO.
ROW
MECHANICS
STREET
HOWARD
UNITED ELECTRIC LIGHT CO.
UNITED BUTTON CO. TO
UNITED ELECTRIC LIGHT CO.
2ND PARCEL
JULY 24, 1917 B.985 P.221
DICKINSON MFG. CO.
FREDERICK HARRIS TRUSTEE
TO
UNITED ELECTRIC LIGHT CO.
PARCEL NO. 1
JAN. 30, 1920 B.1049 P.319
COMMONWEALTH OF MASSACHUSETTS
UNITED ELECTRIC LIGHT CO. 3RD PARCEL

UNITED ELECTRIC LIGHT COMPANY,
PROPOSED RAILROAD SIDINGS,
NOVEMBER 1929

Commonwealth of Massachusetts
Hampden, ss. February 17, 1930
On the petition of the United Electric Light Co. for authority to construct private railroad tracks across ... Mechanics, Howard ... [illegible]
[illegible]
John P. [illegible] County
[illegible] Commissioners

Commonwealth of Massachusetts
Hampden, ss.
Filed, November 27, 1929
Attest: [illegible]

See County Commissioners Book Date Page

See County Commissioners
Book 19 Page 210